Paperless Recorder VR18

Modbus Communication Manual

Brainchild Electronic Co; Ltd.   5st Edition, 08/2009

1. Input Register Parameter Table

Address	Notation	Parameter	Scale Low	Scale High	Notes
0	AI1PV	AI1 process value	*1	*1	R
1	AI2PV	AI2 process value	*1	*1	R
2	AI3PV	AI3 process value	*1	*1	R
3	AI4PV	AI4 process value	*1	*1	R
4	AI5PV	AI5 process value	*1	*1	R
5	AI6PV	AI6 process value	*1	*1	R
6	AI7PV	AI7 process value	*1	*1	R
7	AI8PV	AI8 process value	*1	*1	R
8	AI9PV	AI9 process value	*1	*1	R
9	AI10PV	AI10 process value	*1	*1	R
10	AI11PV	AI11 process value	*1	*1	R
11	AI12PV	AI12 process value	*1	*1	R
12	AI13PV	AI13 process value	*1	*1	R
13	AI14PV	AI14 process value	*1	*1	R
14	AI15PV	AI15 process value	*1	*1	R
15	AI16PV	AI16 process value	*1	*1	R
16	AI17PV	AI17 process value	*1	*1	R
17	AI18PV	AI18 process value	*1	*1	R
18	MA1PV	Math1 process value	*2	*2	R
19	MA2PV	Math2 process value	*2	*2	R
20	MA3PV	Math3 process value	*2	*2	R
21	MA4PV	Math4 process value	*2	*2	R
22	MA5PV	Math5 process value	*2	*2	R
23	MA6PV	Math6 process value	*2	*2	R
24	MA7PV	Math7 process value	*2	*2	R
25	MA8PV	Math8 process value	*2	*2	R
26	MA9PV	Math9 process value	*2	*2	R
27	MA10PV	Math10 process value	*2	*2	R
28	MA11PV	Math11 process value	*2	*2	R
29	MA12PV	Math12 process value	*2	*2	R
30	MA13PV	Math13 process value	*2	*2	R
31	MA14PV	Math14 process value	*2	*2	R
32	MA15PV	Math15 process value	*2	*2	R
33	MA16PV	Math16 process value	*2	*2	R
34	MA17PV	Math17 process value	*2	*2	R
35	MA18PV	Math18 process value	*2	*2	R
36	CFCGF	Any AI or Math parameter change flag	0	65535	R
37	TZ1PVH	Totalizer 1 process value high word *6	*4	*4	R
38	TZ1PVL	Totalizer 1 process value low word *6	*4	*4	R
39	TZ2PVH	Totalizer 2 process value high word *6	*4	*4	R
40	TZ2PVL	Totalizer 2 process value low word *6	*4	*4	R
41	TZ3PVH	Totalizer 3 process value high word *6	*4	*4	R
42	TZ3PVL	Totalizer 3 process value low word *6	*4	*4	R
43	TZ4PVH	Totalizer 4 process value high word *6	*4	*4	R
44	TZ4PVL	Totalizer 4 process value low word *6	*4	*4	R
45	TZ5PVH	Totalizer 5 process value high word *6	*4	*4	R

46	TZ5PVL	Totalizer 5 process value low word	*6	*4	*4	R
47	TZ6PVH	Totalizer 6 process value high word	*6	*4	*4	R
48	TZ6PVL	Totalizer 6 process value low word	*6	*4	*4	R
49	TZ7PVH	Totalizer 7 process value high word	*6	*4	*4	R
50	TZ7PVL	Totalizer 7 process value low word	*6	*4	*4	R
51	TZ8PVH	Totalizer 8 process value high word	*6	*4	*4	R
52	TZ8PVL	Totalizer 8 process value low word	*6	*4	*4	R
53	TZ9PVH	Totalizer 9 process value high word	*6	*4	*4	R
54	TZ9PVL	Totalizer 9 process value low word	*6	*4	*4	R
55	TZ10PVH	Totalizer 10 process value high word	*6	*4	*4	R
56	TZ10PVL	Totalizer 10 process value low word	*6	*4	*4	R
57	TZ11PVH	Totalizer 11 process value high word	*6	*4	*4	R
58	TZ11PVL	Totalizer 11 process value low word	*6	*4	*4	R
59	TZ12PVH	Totalizer 12 process value high word	*6	*4	*4	R
60	TZ12PVL	Totalizer 12 process value low word	*6	*4	*4	R
61	TZ13PVH	Totalizer 13 process value high word	*6	*4	*4	R
62	TZ13PVL	Totalizer 13 process value low word	*6	*4	*4	R
63	TZ14PVH	Totalizer 14 process value high word	*6	*4	*4	R
64	TZ14PVL	Totalizer 14 process value low word	*6	*4	*4	R
65	TZ15PVH	Totalizer 15 process value high word	*6	*4	*4	R
66	TZ15PVL	Totalizer 15 process value low word	*6	*4	*4	R
67	TZ16PVH	Totalizer 16 process value high word	*6	*4	*4	R
68	TZ16PVL	Totalizer 16 process value low word	*6	*4	*4	R
69	TZ17PVH	Totalizer 17 process value high word	*6	*4	*4	R
70	TZ17PVL	Totalizer 17 process value low word	*6	*4	*4	R
71	TZ18PVH	Totalizer 18 process value high word	*6	*4	*4	R
72	TZ18PVL	Totalizer 18 process value low word	*6	*4	*4	R
73	CT1PV	Counter 1 process value	*6	0	65535	R
74	CT2PV	Counter 2 process value	*6	0	65535	R
75	CT3PV	Counter 3 process value	*6	0	65535	R
76	CT4PV	Counter 4 process value	*6	0	65535	R
77	CT5PV	Counter 5 process value	*6	0	65535	R
78	CT6PV	Counter 6 process value	*6	0	65535	R
79	DI1-16PV	DI 1~ 16 process value	*6	0	65535	R
80	DI17-32PV	DI 17~ 32 process value	*6	0	65535	R
81	DI133-36PV	DI 33~ 36 process value	*6	0	65535	R
82	DO1-16PV	DO 1~ 16 process value	*6	0	65535	R
83	DO17-32PV	DO 17~ 32 process value	*6	0	65535	R
84	DO33-36PV	DO 33~ 36 process value	*6	0	65535	R
85	AO1PV	AO1 process value (decimal point:3)		*2	*2	R
86	AO2PV	AO2 process value (decimal point:3)		*2	*2	R
87	AO3PV	AO3 process value (decimal point:3)		*2	*2	R
88	AO4PV	AO4 process value (decimal point:3)		*2	*2	R
89	AO5PV	AO5 process value (decimal point:3)		*2	*2	R
90	AO6PV	AO6 process value (decimal point:3)		*2	*2	R
91	AO7PV	AO7 process value (decimal point:3)		*2	*2	R
92	AO8PV	AO8 process value (decimal point:3)		*2	*2	R
93	AO9PV	AO9 process value (decimal point:3)		*2	*2	R
94	RESE1	Reserve 1		0	65535	R

2. Holding Register Parameter Table

Address	Notation	Parameter	Scale Low	Scale High	Notes
0	VER	Version	0	65535	R
1	PLUS	Plus mode	0	65535	R
2	AI1DP	AI1 decimal point	0	65535	R/W
3	AI2DP	AI2 decimal point	0	65535	R/W
4	AI3DP	AI3 decimal point	0	65535	R/W
5	AI4DP	AI4 decimal point	0	65535	R/W
6	AI5DP	AI5 decimal point	0	65535	R/W
7	AI6DP	AI6 decimal point	0	65535	R/W
8	AI7DP	AI7 decimal point	0	65535	R/W
9	AI8DP	AI8 decimal point	0	65535	R/W
10	AI9DP	AI9 decimal point	0	65535	R/W
11	AI10DP	AI10 decimal point	0	65535	R/W
12	AI11DP	AI11 decimal point	0	65535	R/W
13	AI12DP	AI12 decimal point	0	65535	R/W
14	AI13DP	AI13 decimal point	0	65535	R/W
15	AI14DP	AI14 decimal point	0	65535	R/W
16	AI15DP	AI15 decimal point	0	65535	R/W
17	AI16DP	AI16 decimal point	0	65535	R/W
18	AI17DP	AI17 decimal point	0	65535	R/W
19	AI18DP	AI18 decimal point	0	65535	R/W
20	MA1DP	Math1 decimal point	0	65535	R/W
21	MA2DP	Math2 decimal point	0	65535	R/W
22	MA3DP	Math3 decimal point	0	65535	R/W
23	MA4DP	Math4 decimal point	0	65535	R/W
24	MA5DP	Math5 decimal point	0	65535	R/W
25	MA6DP	Math6 decimal point	0	65535	R/W
26	MA7DP	Math7 decimal point	0	65535	R/W
27	MA8DP	Math8 decimal point	0	65535	R/W
28	MA9DP	Math9 decimal point	0	65535	R/W
29	MA10DP	Math10 decimal point	0	65535	R/W
30	MA11DP	Math11 decimal point	0	65535	R/W
31	MA12DP	Math12 decimal point	0	65535	R/W
32	MA13DP	Math13 decimal point	0	65535	R/W
33	MA14DP	Math14 decimal point	0	65535	R/W
34	MA15DP	Math15 decimal point	0	65535	R/W
35	MA16DP	Math16 decimal point	0	65535	R/W
36	MA17DP	Math17 decimal point	0	65535	R/W
37	MA18DP	Math18 decimal point	0	65535	R/W
38	AI1FN	AI1 function no	0	65535	R
39	AI2FN	AI2 function no	0	65535	R
40	AI3FN	AI3 function no	0	65535	R
41	AI4FN	AI4 function no	0	65535	R
42	AI5FN	AI5 function no	0	65535	R
43	AI6FN	AI6 function no	0	65535	R
44	AI7FN	AI7 function no	0	65535	R
45	AI8FN	AI8 function no	0	65535	R

46	AI9FN	AI9 function no	0	65535	R
47	AI10FN	AI1 function no	0	65535	R
48	AI11FN	AI11 function no	0	65535	R
49	AI12FN	AI12 function no	0	65535	R
50	AI13FN	AI13 function no	0	65535	R
51	AI14FN	AI14 function no	0	65535	R
52	AI15FN	AI15 function no	0	65535	R
53	AI16FN	AI16 function no	0	65535	R
54	AI17FN	AI17 function no	0	65535	R
55	AI18FN	AI18 function no	0	65535	R
56	MA1EN	Math1 enable	0	65535	R/W
57	MA2EN	Math2 enable	0	65535	R/W
58	MA3EN	Math3 enable	0	65535	R/W
59	MA4EN	Math4 enable	0	65535	R/W
60	MA5EN	Math5 enable	0	65535	R/W
61	MA6EN	Math6 enable	0	65535	R/W
62	MA7EN	Math7 enable	0	65535	R/W
63	MA8EN	Math8 enable	0	65535	R/W
64	MA9EN	Math9 enable	0	65535	R/W
65	MA10EN	Math10 enable	0	65535	R/W
66	MA11EN	Math11 enable	0	65535	R/W
67	MA12EN	Math12 enable	0	65535	R/W
68	MA13EN	Math13 enable	0	65535	R/W
69	MA14EN	Math14 enable	0	65535	R/W
70	MA15EN	Math15 enable	0	65535	R/W
71	MA16EN	Math16 enable	0	65535	R/W
72	MA17EN	Math17 enable	0	65535	R/W
73	MA18EN	Math18 enable	0	65535	R/W
74	AI1SL	AI1 scale low	*1	*1	R/W
75	AI2SL	AI2 scale low	*1	*1	R/W
76	AI3SL	AI3 scale low	*1	*1	R/W
77	AI4SL	AI4 scale low	*1	*1	R/W
78	AI5SL	AI5 scale low	*1	*1	R/W
79	AI6SL	AI6 scale low	*1	*1	R/W
80	AI7SL	AI7 scale low	*1	*1	R/W
81	AI8SL	AI8 scale low	*1	*1	R/W
82	AI9SL	AI9 scale low	*1	*1	R/W
83	AI10SL	AI10 scale low	*1	*1	R/W
84	AI11SL	AI11 scale low	*1	*1	R/W
85	AI12SL	AI12 scale low	*1	*1	R/W
86	AI13SL	AI13 scale low	*1	*1	R/W
87	AI14SL	AI14 scale low	*1	*1	R/W
88	AI15SL	AI15 scale low	*1	*1	R/W
89	AI16SL	AI16 scale low	*1	*1	R/W
90	AI17SL	AI17 scale low	*1	*1	R/W
91	AI18SL	AI18 scale low	*1	*1	R/W
92	MA1RL	Math1 range low	*2	*2	R/W
93	MA2RL	Math2 range low	*2	*2	R/W
94	MA3RL	Math3 range low	*2	*2	R/W

95	MA4RL	Math4 range low	*2	*2	R/W
96	MA5RL	Math5 range low	*2	*2	R/W
97	MA6RL	Math6 range low	*2	*2	R/W
98	MA7RL	Math7 range low	*2	*2	R/W
99	MA8RL	Math8 range low	*2	*2	R/W
100	MA9RL	Math9 range low	*2	*2	R/W
101	MA10RL	Math10 range low	*2	*2	R/W
102	MA11RL	Math11 range low	*2	*2	R/W
103	MA12RL	Math12 range low	*2	*2	R/W
104	MA13RL	Math13 range low	*2	*2	R/W
105	MA14RL	Math14 range low	*2	*2	R/W
106	MA15RL	Math15 range low	*2	*2	R/W
107	MA16RL	Math16 range low	*2	*2	R/W
108	MA17RL	Math17 range low	*2	*2	R/W
109	MA18RL	Math18 range low	*2	*2	R/W
110	AI1SH	AI1 scale high	*1	*1	R/W
111	AI2SH	AI2 scale high	*1	*1	R/W
112	AI3SH	AI3 scale high	*1	*1	R/W
113	AI4SH	AI4 scale high	*1	*1	R/W
114	AI5SH	AI5 scale high	*1	*1	R/W
115	AI6SH	AI6 scale high	*1	*1	R/W
116	AI7SH	AI7 scale high	*1	*1	R/W
117	AI8SH	AI8 scale high	*1	*1	R/W
118	AI9SH	AI9 scale high	*1	*1	R/W
119	AI10SH	AI10 scale high	*1	*1	R/W
120	AI11SH	AI11 scale high	*1	*1	R/W
121	AI12SH	AI12 scale high	*1	*1	R/W
122	AI13SH	AI13 scale high	*1	*1	R/W
123	AI14SH	AI14 scale high	*1	*1	R/W
124	AI15SH	AI15 scale high	*1	*1	R/W
125	AI16SH	AI16 scale high	*1	*1	R/W
126	AI17SH	AI17 scale high	*1	*1	R/W
127	AI18SH	AI18 scale high	*1	*1	R/W
128	MA1RH	Math1 range high	*2	*2	R/W
129	MA2RH	Math2 range high	*2	*2	R/W
130	MA3RH	Math3 range high	*2	*2	R/W
131	MA4RH	Math4 range high	*2	*2	R/W
132	MA5RH	Math5 range high	*2	*2	R/W
133	MA6RH	Math6 range high	*2	*2	R/W
134	MA7RH	Math7 range high	*2	*2	R/W
135	MA8RH	Math8 range high	*2	*2	R/W
136	MA9RH	Math9 range high	*2	*2	R/W
137	MA10RH	Math10 range high	*2	*2	R/W
138	MA11RH	Math11 range high	*2	*2	R/W
139	MA12RH	Math12 range high	*2	*2	R/W
140	MA13RH	Math13 range high	*2	*2	R/W
141	MA14RH	Math14 range high	*2	*2	R/W
142	MA15RH	Math15 range high	*2	*2	R/W
143	MA16RH	Math16 range high	*2	*2	R/W

144	MA17RH	Math17 range high	*2	*2	R/W
145	MA18RH	Math18 range high	*2	*2	R/W
146	AI1UN1	AI1 unit char 1~2	0	65535	R/W
147	AI1UN2	AI1 unit char 3~4	0	65535	R/W
148	AI1UN3	AI1 unit char 5~6	0	65535	R/W
149	AI2UN1	AI2 unit char 1~2	0	65535	R/W
150	AI2UN2	AI2 unit char 3~4	0	65535	R/W
151	AI2UN3	AI2 unit char 5~6	0	65535	R/W
152	AI3UN1	AI3 unit char 1~2	0	65535	R/W
153	AI3UN2	AI3 unit char 3~4	0	65535	R/W
154	AI3UN3	AI3 unit char 5~6	0	65535	R/W
155	AI4UN1	AI4 unit char 1~2	0	65535	R/W
156	AI4UN2	AI4 unit char 3~4	0	65535	R/W
157	AI4UN3	AI4 unit char 5~6	0	65535	R/W
158	AI5UN1	AI5 unit char 1~2	0	65535	R/W
159	AI5UN2	AI5 unit char 3~4	0	65535	R/W
160	AI5UN3	AI5 unit char 5~6	0	65535	R/W
161	AI6UN1	AI6 unit char 1~2	0	65535	R/W
162	AI6UN2	AI6 unit char 3~4	0	65535	R/W
163	AI6UN3	AI6 unit char 5~6	0	65535	R/W
164	AI7UN1	AI7 unit char 1~2	0	65535	R/W
165	AI7UN2	AI7 unit char 3~4	0	65535	R/W
166	AI7UN3	AI7 unit char 5~6	0	65535	R/W
167	AI8UN1	AI8 unit char 1~2	0	65535	R/W
168	AI8UN2	AI8 unit char 3~4	0	65535	R/W
169	AI8UN3	AI8 unit char 5~6	0	65535	R/W
170	AI9UN1	AI9 unit char 1~2	0	65535	R/W
171	AI9UN2	AI9 unit char 3~4	0	65535	R/W
172	AI9UN3	AI9 unit char 5~6	0	65535	R/W
173	AI10UN1	AI10 unit char 1~2	0	65535	R/W
174	AI10UN2	AI10 unit char 3~4	0	65535	R/W
175	AI10UN3	AI10 unit char 5~6	0	65535	R/W
176	AI11UN1	AI11 unit char 1~2	0	65535	R/W
177	AI11UN2	AI11 unit char 3~4	0	65535	R/W
178	AI11UN3	AI11 unit char 5~6	0	65535	R/W
179	AI12UN1	AI12 unit char 1~2	0	65535	R/W
180	AI12UN2	AI12 unit char 3~4	0	65535	R/W
181	AI12UN3	AI12 unit char 5~6	0	65535	R/W
182	AI13UN1	AI13 unit char 1~2	0	65535	R/W
183	AI13UN2	AI13 unit char 3~4	0	65535	R/W
184	AI13UN3	AI13 unit char 5~6	0	65535	R/W
185	AI14UN1	AI14 unit char 1~2	0	65535	R/W
186	AI14UN2	AI14 unit char 3~4	0	65535	R/W
187	AI14UN3	AI14 unit char 5~6	0	65535	R/W
188	AI15UN1	AI15 unit char 1~2	0	65535	R/W
189	AI15UN2	AI15 unit char 3~4	0	65535	R/W
190	AI15UN3	AI15 unit char 5~6	0	65535	R/W
191	AI16UN1	AI16 unit char 1~2	0	65535	R/W
192	AI16UN2	AI16 unit char 3~4	0	65535	R/W

193	AI16UN3	AI16 unit char 5~6	0	65535	R/W
194	AI17UN1	AI17 unit char 1~2	0	65535	R/W
195	AI17UN2	AI17 unit char 3~4	0	65535	R/W
196	AI17UN3	AI17 unit char 5~6	0	65535	R/W
197	AI18UN1	AI18 unit char 1~2	0	65535	R/W
198	AI18UN2	AI18 unit char 3~4	0	65535	R/W
199	AI18UN3	AI18 unit char 5~6	0	65535	R/W
200	MA1UN1	Math1 unit char 1~2	0	65535	R/W
201	MA1UN2	Math1 unit char 3~4	0	65535	R/W
202	MA1UN3	Math1 unit char 5~6	0	65535	R/W
203	MA2UN1	Math2 unit char 1~2	0	65535	R/W
204	MA2UN2	Math2 unit char 3~4	0	65535	R/W
205	MA2UN3	Math2 unit char 5~6	0	65535	R/W
206	MA3UN1	Math3 unit char 1~2	0	65535	R/W
207	MA3UN2	Math3 unit char 3~4	0	65535	R/W
208	MA3UN3	Math3 unit char 5~6	0	65535	R/W
209	MA4UN1	Math4 unit char 1~2	0	65535	R/W
210	MA4UN2	Math4 unit char 3~4	0	65535	R/W
211	MA4UN3	Math4 unit char 5~6	0	65535	R/W
212	MA5UN1	Math5 unit char 1~2	0	65535	R/W
213	MA5UN2	Math5 unit char 3~4	0	65535	R/W
214	MA5UN3	Math5 unit char 5~6	0	65535	R/W
215	MA6UN1	Math6 unit char 1~2	0	65535	R/W
216	MA6UN2	Math6 unit char 3~4	0	65535	R/W
217	MA6UN3	Math6 unit char 5~6	0	65535	R/W
218	MA7UN1	Math7 unit char 1~2	0	65535	R/W
219	MA7UN2	Math7 unit char 3~4	0	65535	R/W
220	MA7UN3	Math7 unit char 5~6	0	65535	R/W
221	MA8UN1	Math8 unit char 1~2	0	65535	R/W
222	MA8UN2	Math8 unit char 3~4	0	65535	R/W
223	MA8UN3	Math8 unit char 5~6	0	65535	R/W
224	MA9UN1	Math9 unit char 1~2	0	65535	R/W
225	MA9UN2	Math9 unit char 3~4	0	65535	R/W
226	MA9UN3	Math9 unit char 5~6	0	65535	R/W
227	MA10UN1	Math10 unit char 1~2	0	65535	R/W
228	MA10UN2	Math10 unit char 3~4	0	65535	R/W
229	MA10UN3	Math10 unit char 5~6	0	65535	R/W
230	MA11UN1	Math11 unit char 1~2	0	65535	R/W
231	MA11UN2	Math11 unit char 3~4	0	65535	R/W
232	MA11UN3	Math11 unit char 5~6	0	65535	R/W
233	MA12UN1	Math12 unit char 1~2	0	65535	R/W
234	MA12UN2	Math12 unit char 3~4	0	65535	R/W
235	MA12UN3	Math12 unit char 5~6	0	65535	R/W
236	MA13UN1	Math13 unit char 1~2	0	65535	R/W
237	MA13UN2	Math13 unit char 3~4	0	65535	R/W
238	MA13UN3	Math13 unit char 5~6	0	65535	R/W
239	MA14UN1	Math14 unit char 1~2	0	65535	R/W
240	MA14UN2	Math14 unit char 3~4	0	65535	R/W
241	MA14UN3	AI16 unit char 5~6	0	65535	R/W

242	MA15UN1	Math15 unit char 1~2	0	65535	R/W
243	MA15UN2	Math15 unit char 3~4	0	65535	R/W
244	MA15UN3	Math15 unit char 5~6	0	65535	R/W
245	MA16UN1	Math16 unit char 1~2	0	65535	R/W
246	MA16UN2	Math16 unit char 3~4	0	65535	R/W
247	MA16UN3	Math16 unit char 5~6	0	65535	R/W
248	MA17UN1	Math17 unit char 1~2	0	65535	R/W
249	MA17UN2	Math17 unit char 3~4	0	65535	R/W
250	MA17UN3	Math17 unit char 5~6	0	65535	R/W
251	MA18UN1	Math18 unit char 1~2	0	65535	R/W
252	MA18UN2	Math18 unit char 3~4	0	65535	R/W
253	MA18UN3	Math18 unit char 5~6	0	65535	R/W
254	AI1NA1	AI1 name char 1~2	0	65535	R/W
255	AI1NA2	AI1 name char 3~4	0	65535	R/W
256	AI1NA3	AI1 name char 5~6	0	65535	R/W
257	AI2NA1	AI2 name char 1~2	0	65535	R/W
258	AI2NA2	AI2 name char 3~4	0	65535	R/W
259	AI2NA3	AI2 name char 5~6	0	65535	R/W
260	AI3NA1	AI3 name char 1~2	0	65535	R/W
261	AI3NA2	AI3 name char 3~4	0	65535	R/W
262	AI3NA3	AI3 name char 5~6	0	65535	R/W
263	AI4NA1	AI4 name char 1~2	0	65535	R/W
264	AI4NA2	AI4 name char 3~4	0	65535	R/W
265	AI4NA3	AI4 name char 5~6	0	65535	R/W
266	AI5NA1	AI5 name char 1~2	0	65535	R/W
267	AI5NA2	AI5 name char 3~4	0	65535	R/W
268	AI5NA3	AI5 name char 5~6	0	65535	R/W
269	AI6NA1	AI6 name char 1~2	0	65535	R/W
270	AI6NA2	AI6 name char 3~4	0	65535	R/W
271	AI6NA3	AI6 name char 5~6	0	65535	R/W
272	AI7NA1	AI7 name char 1~2	0	65535	R/W
273	AI7NA2	AI7 name char 3~4	0	65535	R/W
274	AI7NA3	AI7 name char 5~6	0	65535	R/W
275	AI8NA1	AI8 name char 1~2	0	65535	R/W
276	AI8NA2	AI8 name char 3~4	0	65535	R/W
277	AI8NA3	AI8 name char 5~6	0	65535	R/W
278	AI9NA1	AI9 name char 1~2	0	65535	R/W
279	AI9NA2	AI9 name char 3~4	0	65535	R/W
280	AI9NA3	AI9 name char 5~6	0	65535	R/W
281	AI10NA1	AI10 name char 1~2	0	65535	R/W
282	AI10NA2	AI10 name char 3~4	0	65535	R/W
283	AI10NA3	AI10 name char 5~6	0	65535	R/W
284	AI11NA1	AI11 name char 1~2	0	65535	R/W
285	AI11NA2	AI11 name char 3~4	0	65535	R/W
286	AI11NA3	AI11 name char 5~6	0	65535	R/W
287	AI12NA1	AI12 name char 1~2	0	65535	R/W
288	AI12NA2	AI12 name char 3~4	0	65535	R/W
289	AI12NA3	AI12 name char 5~6	0	65535	R/W
290	AI13NA1	AI13 name char 1~2	0	65535	R/W

291	AI13NA2	AI13 name char 3~4	0	65535	R/W
292	AI13NA3	AI13 name char 5~6	0	65535	R/W
293	AI14NA1	AI14 name char 1~2	0	65535	R/W
294	AI14NA2	AI14 name char 3~4	0	65535	R/W
295	AI14NA3	AI14 name char 5~6	0	65535	R/W
296	AI15NA1	AI15 name char 1~2	0	65535	R/W
297	AI15NA2	AI15 name char 3~4	0	65535	R/W
298	AI15NA3	AI15 name char 5~6	0	65535	R/W
299	AI16NA1	AI16 name char 1~2	0	65535	R/W
300	AI16NA2	AI16 name char 3~4	0	65535	R/W
301	AI16NA3	AI16 name char 5~6	0	65535	R/W
302	AI17NA1	AI17 name char 1~2	0	65535	R/W
303	AI17NA2	AI17 name char 3~4	0	65535	R/W
304	AI17NA3	AI17 name char 5~6	0	65535	R/W
305	AI18NA1	AI18 name char 1~2	0	65535	R/W
306	AI18NA2	AI18 name char 3~4	0	65535	R/W
307	AI18NA3	AI18 name char 5~6	0	65535	R/W
308	MA1NA1	Math1 name char 1~2	0	65535	R/W
309	MA1NA2	Math1 name char 3~4	0	65535	R/W
310	MA1NA3	Math1 name char 5~6	0	65535	R/W
311	MA2NA1	Math2 name char 1~2	0	65535	R/W
312	MA2NA2	Math2 name char 3~4	0	65535	R/W
313	MA2NA3	Math2 name char 5~6	0	65535	R/W
314	MA3NA1	Math3 name char 1~2	0	65535	R/W
315	MA3NA2	Math3 name char 3~4	0	65535	R/W
316	MA3NA3	Math3 name char 5~6	0	65535	R/W
317	MA4NA1	Math4 name char 1~2	0	65535	R/W
318	MA4NA2	Math4 name char 3~4	0	65535	R/W
319	MA4NA3	Math4 name char 5~6	0	65535	R/W
320	MA5NA1	Math5 name char 1~2	0	65535	R/W
321	MA5NA2	Math5 name char 3~4	0	65535	R/W
322	MA5NA3	Math5 name char 5~6	0	65535	R/W
323	MA6NA1	Math6 name char 1~2	0	65535	R/W
324	MA6NA2	Math6 name char 3~4	0	65535	R/W
325	MA6NA3	Math6 name char 5~6	0	65535	R/W
326	MA7NA1	Math7 name char 1~2	0	65535	R/W
327	MA7NA2	Math7 name char 3~4	0	65535	R/W
328	MA7NA3	Math7 name char 5~6	0	65535	R/W
329	MA8NA1	Math8 name char 1~2	0	65535	R/W
330	MA8NA2	Math8 name char 3~4	0	65535	R/W
331	MA8NA3	Math8 name char 5~6	0	65535	R/W
332	MA9NA1	Math9 name char 1~2	0	65535	R/W
333	MA9NA2	Math9 name char 3~4	0	65535	R/W
334	MA9NA3	Math9 name char 5~6	0	65535	R/W
335	MA10NA1	Math10 name char 1~2	0	65535	R/W
336	MA10NA2	Math10 name char 3~4	0	65535	R/W
337	MA10NA3	Math10 name char 5~6	0	65535	R/W
338	MA11NA1	Math11 name char 1~2	0	65535	R/W
339	MA11NA2	Math11 name char 3~4	0	65535	R/W

340	MA11NA3	Math11 name char 5~6	0	65535	R/W
341	MA12NA1	Math12 name char 1~2	0	65535	R/W
342	MA12NA2	Math12 name char 3~4	0	65535	R/W
343	MA12NA3	Math12 name char 5~6	0	65535	R/W
344	MA13NA1	Math13 name char 1~2	0	65535	R/W
345	MA13NA2	Math13 name char 3~4	0	65535	R/W
346	MA13NA3	Math13 name char 5~6	0	65535	R/W
347	MA14NA1	Math14 name char 1~2	0	65535	R/W
348	MA14NA2	Math14 name char 3~4	0	65535	R/W
349	MA14NA3	Math14 name char 5~6	0	65535	R/W
350	MA15NA1	Math15 name char 1~2	0	65535	R/W
351	MA15NA2	Math15 name char 3~4	0	65535	R/W
352	MA15NA3	Math15 name char 5~6	0	65535	R/W
353	MA16NA1	Math16 name char 1~2	0	65535	R/W
354	MA16NA2	Math16 name char 3~4	0	65535	R/W
355	MA16NA3	Math16 name char 5~6	0	65535	R/W
356	MA17NA1	Math17 name char 1~2	0	65535	R/W
357	MA17NA2	Math17 name char 3~4	0	65535	R/W
358	MA17NA3	Math17 name char 5~6	0	65535	R/W
359	MA18NA1	Math18 name char 1~2	0	65535	R/W
360	MA18NA2	Math18 name char 3~4	0	65535	R/W
361	MA18NA3	Math18 name char 5~6	0	65535	R/W
362	AI1ME	AI1 log method	0	65535	R/W
363	AI2ME	AI2 log method	0	65535	R/W
364	AI3ME	AI3 log method	0	65535	R/W
365	AI4ME	AI4 log method	0	65535	R/W
366	AI5ME	AI5 log method	0	65535	R/W
367	AI6ME	AI6 log method	0	65535	R/W
368	AI7ME	AI7 log method	0	65535	R/W
369	AI8ME	AI8 log method	0	65535	R/W
370	AI9ME	AI9 log method	0	65535	R/W
371	AI10ME	AI10 log method	0	65535	R/W
372	AI11ME	AI11 log method	0	65535	R/W
373	AI12ME	AI12 log method	0	65535	R/W
374	AI13ME	AI13 log method	0	65535	R/W
375	AI14ME	AI14 log method	0	65535	R/W
376	AI15ME	AI15 log method	0	65535	R/W
377	AI16ME	AI16 log method	0	65535	R/W
378	AI17ME	AI17 log method	0	65535	R/W
379	AI18ME	AI18 log method	0	65535	R/W
380	MA1ME	Math1 log method	0	65535	R/W
381	MA2ME	Math2 log method	0	65535	R/W
382	MA3ME	Math3 log method	0	65535	R/W
383	MA4ME	Math4 log method	0	65535	R/W
384	MA5ME	Math5 log method	0	65535	R/W
385	MA6ME	Math6 log method	0	65535	R/W
386	MA7ME	Math7 log method	0	65535	R/W
387	MA8ME	Math8 log method	0	65535	R/W
388	MA9ME	Math9 log method	0	65535	R/W

389	MA10ME	Math10 log method	0	65535	R/W
390	MA11ME	Math11 log method	0	65535	R/W
391	MA12ME	Math12 log method	0	65535	R/W
392	MA13ME	Math13 log method	0	65535	R/W
393	MA14ME	Math14 log method	0	65535	R/W
394	MA15ME	Math15 log method	0	65535	R/W
395	MA16ME	Math16 log method	0	65535	R/W
396	MA17ME	Math17 log method	0	65535	R/W
397	MA18ME	Math18 log method	0	65535	R/W
398	AI1SP	AI1 log speed	0	65535	R/W
399	AI2SP	AI2 log speed	0	65535	R/W
400	AI3SP	AI3 log speed	0	65535	R/W
401	AI4SP	AI4 log speed	0	65535	R/W
402	AI5SP	AI5 log speed	0	65535	R/W
403	AI6SP	AI6 log speed	0	65535	R/W
404	AI7SP	AI7 log speed	0	65535	R/W
405	AI8SP	AI8 log speed	0	65535	R/W
406	AI9SP	AI9 log speed	0	65535	R/W
407	AI10SP	AI10 log speed	0	65535	R/W
408	AI11SP	AI11 log speed	0	65535	R/W
409	AI12SP	AI12 log speed	0	65535	R/W
410	AI13SP	AI13 log speed	0	65535	R/W
411	AI14SP	AI14 log speed	0	65535	R/W
412	AI15SP	AI15 log speed	0	65535	R/W
413	AI16SP	AI16 log speed	0	65535	R/W
414	AI17SP	AI17 log speed	0	65535	R/W
415	AI18SP	AI18 log speed	0	65535	R/W
416	MA1SP	Math1 log speed	0	65535	R/W
417	MA2SP	Math2 log speed	0	65535	R/W
418	MA3SP	Math3 log speed	0	65535	R/W
419	MA4SP	Math4 log speed	0	65535	R/W
420	MA5SP	Math5 log speed	0	65535	R/W
421	MA6SP	Math6 log speed	0	65535	R/W
422	MA7SP	Math7 log speed	0	65535	R/W
423	MA8SP	Math8 log speed	0	65535	R/W
424	MA9SP	Math9 log speed	0	65535	R/W
425	MA10SP	Math10 log speed	0	65535	R/W
426	MA11SP	Math11 log speed	0	65535	R/W
427	MA12SP	Math12 log speed	0	65535	R/W
428	MA13SP	Math13 log speed	0	65535	R/W
429	MA14SP	Math14 log speed	0	65535	R/W
430	MA15SP	Math15 log speed	0	65535	R/W
431	MA16SP	Math16 log speed	0	65535	R/W
432	MA17SP	Math17 log speed	0	65535	R/W
433	MA18SP	Math18 log speed	0	65535	R/W
434	AI1OF	AI1 offset	*2	*2	R/W
435	AI2OF	AI2 offset	*2	*2	R/W
436	AI3OF	AI3 offset	*2	*2	R/W
437	AI4OF	AI4 offset	*2	*2	R/W

438	AI5OF	AI5 offset	*2	*2	R/W
439	AI6OF	AI6 offset	*2	*2	R/W
440	AI7OF	AI7 offset	*2	*2	R/W
441	AI8OF	AI8 offset	*2	*2	R/W
442	AI9OF	AI9 offset	*2	*2	R/W
443	AI10OF	AI10 offset	*2	*2	R/W
444	AI11OF	AI11 offset	*2	*2	R/W
445	AI12OF	AI12 offset	*2	*2	R/W
446	AI13OF	AI13 offset	*2	*2	R/W
447	AI14OF	AI14 offset	*2	*2	R/W
448	AI15OF	AI15 offset	*2	*2	R/W
449	AI16OF	AI16 offset	*2	*2	R/W
450	AI17OF	AI17 offset	*2	*2	R/W
451	AI18OF	AI18 offset	*2	*2	R/W
452	RESERVE	RESERVE	---	---	---
453	RESERVE	RESERVE	---	---	---
454	RESERVE	RESERVE	---	---	---
455	RESERVE	RESERVE	---	---	---
456	RESERVE	RESERVE	---	---	---
457	RESERVE	RESERVE	---	---	---
458	RESERVE	RESERVE	---	---	---
459	RESERVE	RESERVE	---	---	---
460	RESERVE	RESERVE	---	---	---
461	RESERVE	RESERVE	---	---	---
462	RESERVE	RESERVE	---	---	---
463	RESERVE	RESERVE	---	---	---
464	RESERVE	RESERVE	---	---	---
465	RESERVE	RESERVE	---	---	---
466	RESERVE	RESERVE	---	---	---
467	RESERVE	RESERVE	---	---	---
468	RESERVE	RESERVE	---	---	---
469	RESERVE	RESERVE	---	---	---
470	AI1GA	AI1 gain	*2	*2	R/W
471	AI2GA	AI2 gain	*2	*2	R/W
472	AI3GA	AI3 gain	*2	*2	R/W
473	AI4GA	AI4 gain	*2	*2	R/W
474	AI5GA	AI5 gain	*2	*2	R/W
475	AI6GA	AI6 gain	*2	*2	R/W
476	AI7GA	AI7 gain	*2	*2	R/W
477	AI8GA	AI8 gain	*2	*2	R/W
478	AI9GA	AI9 gain	*2	*2	R/W
479	AI10GA	AI10 gain	*2	*2	R/W
480	AI11GA	AI11 gain	*2	*2	R/W
481	AI12GA	AI12 gain	*2	*2	R/W
482	AI13GA	AI13 gain	*2	*2	R/W
483	AI14GA	AI14 gain	*2	*2	R/W
484	AI15GA	AI15 gain	*2	*2	R/W
485	AI16GA	AI16 gain	*2	*2	R/W
486	AI17GA	AI17 gain	*2	*2	R/W

487	AI18GA	AI18 gain	*2	*2	R/W
488	RESERVE	RESERVE	---	---	---
489	RESERVE	RESERVE	---	---	---
490	RESERVE	RESERVE	---	---	---
491	RESERVE	RESERVE	---	---	---
492	RESERVE	RESERVE	---	---	---
493	RESERVE	RESERVE	---	---	---
494	RESERVE	RESERVE	---	---	---
495	RESERVE	RESERVE	---	---	---
496	RESERVE	RESERVE	---	---	---
497	RESERVE	RESERVE	---	---	---
498	RESERVE	RESERVE	---	---	---
499	RESERVE	RESERVE	---	---	---
500	RESERVE	RESERVE	---	---	---
501	RESERVE	RESERVE	---	---	---
502	RESERVE	RESERVE	---	---	---
503	RESERVE	RESERVE	---	---	---
504	RESERVE	RESERVE	---	---	---
505	RESERVE	RESERVE	---	---	---
506	AI1EV1TP	AI1 event 1 type	0	65535	R/W
507	AI2EV1TP	AI2 event 1 type	0	65535	R/W
508	AI3EV1TP	AI3 event 1 type	0	65535	R/W
509	AI4EV1TP	AI4 event 1 type	0	65535	R/W
510	AI5EV1TP	AI5 event 1 type	0	65535	R/W
511	AI6EV1TP	AI6 event 1 type	0	65535	R/W
512	AI7EV1TP	AI7 event 1 type	0	65535	R/W
513	AI8EV1TP	AI8 event 1 type	0	65535	R/W
514	AI9EV1TP	AI9 event 1 type	0	65535	R/W
515	AI10EV1TP	AI10 event 1 type	0	65535	R/W
516	AI11EV1TP	AI11 event 1 type	0	65535	R/W
517	AI12EV1TP	AI12 event 1 type	0	65535	R/W
518	AI13EV1TP	AI13 event 1 type	0	65535	R/W
519	AI14EV1TP	AI14 event 1 type	0	65535	R/W
520	AI15EV1TP	AI15 event 1 type	0	65535	R/W
521	AI16EV1TP	AI16 event 1 type	0	65535	R/W
522	AI17EV1TP	AI17 event 1 type	0	65535	R/W
523	AI18EV1TP	AI18 event 1 type	0	65535	R/W
524	MA1EV1TP	Math1 event 1 type	0	65535	R/W
525	MA2EV1TP	Math2 event 1 type	0	65535	R/W
526	MA3EV1TP	Math3 event 1 type	0	65535	R/W
527	MA4EV1TP	Math4 event 1 type	0	65535	R/W
528	MA5EV1TP	Math5 event 1 type	0	65535	R/W
529	MA6EV1TP	Math6 event 1 type	0	65535	R/W
530	MA7EV1TP	Math7 event 1 type	0	65535	R/W
531	MA8EV1TP	Math8 event 1 type	0	65535	R/W
532	MA9EV1TP	Math9 event 1 type	0	65535	R/W
533	MA10EV1TP	Math10 event 1 type	0	65535	R/W
534	MA11EV1TP	Math11 event 1 type	0	65535	R/W
535	MA12EV1TP	Math12 event 1 type	0	65535	R/W

536	MA13EV1TP	Math13 event 1 type	0	65535	R/W
537	MA14EV1TP	Math14 event 1 type	0	65535	R/W
538	MA15EV1TP	Math15 event 1 type	0	65535	R/W
539	MA16EV1TP	Math16 event 1 type	0	65535	R/W
540	MA17EV1TP	Math17 event 1 type	0	65535	R/W
541	MA18EV1TP	Math18 event 1 type	0	65535	R/W
542	AI1EV1SP	AI1 event 1 set point	*1	*1	R/W
543	AI2EV1SP	AI2 event 1 set point	*1	*1	R/W
544	AI3EV1SP	AI3 event 1 set point	*1	*1	R/W
545	AI4EV1SP	AI4 event 1 set point	*1	*1	R/W
546	AI5EV1SP	AI5 event 1 set point	*1	*1	R/W
547	AI6EV1SP	AI6 event 1 set point	*1	*1	R/W
548	AI7EV1SP	AI7 event 1 set point	*1	*1	R/W
549	AI8EV1SP	AI8 event 1 set point	*1	*1	R/W
550	AI9EV1SP	AI9 event 1 set point	*1	*1	R/W
551	AI10EV1SP	AI10 event 1 set point	*1	*1	R/W
552	AI11EV1SP	AI11 event 1 set point	*1	*1	R/W
553	AI12EV1SP	AI12 event 1 set point	*1	*1	R/W
554	AI13EV1SP	AI13 event 1 set point	*1	*1	R/W
555	AI14EV1SP	AI14 event 1 set point	*1	*1	R/W
556	AI15EV1SP	AI15 event 1 set point	*1	*1	R/W
557	AI16EV1SP	AI16 event 1 set point	*1	*1	R/W
558	AI17EV1SP	AI17 event 1 set point	*1	*1	R/W
559	AI18EV1SP	AI18 event 1 set point	*1	*1	R/W
560	MA1EV1SP	Math1 event 1 set point	*2	*2	R/W
561	MA2EV1SP	Math2 event 1 set point	*2	*2	R/W
562	MA3EV1SP	Math3 event 1 set point	*2	*2	R/W
563	MA4EV1SP	Math4 event 1 set point	*2	*2	R/W
564	MA5EV1SP	Math5 event 1 set point	*2	*2	R/W
565	MA6EV1SP	Math6 event 1 set point	*2	*2	R/W
566	MA7EV1SP	Math7 event 1 set point	*2	*2	R/W
567	MA8EV1SP	Math8 event 1 set point	*2	*2	R/W
568	MA9EV1SP	Math9 event 1 set point	*2	*2	R/W
569	MA10EV1SP	Math10 event 1 set point	*2	*2	R/W
570	MA11EV1SP	Math11 event 1 set point	*2	*2	R/W
571	MA12EV1SP	Math12 event 1 set point	*2	*2	R/W
572	MA13EV1SP	Math13 event 1 set point	*2	*2	R/W
573	MA14EV1SP	Math14 event 1 set point	*2	*2	R/W
574	MA15EV1SP	Math15 event 1 set point	*2	*2	R/W
575	MA16EV1SP	Math16 event 1 set point	*2	*2	R/W
576	MA17EV1SP	Math17 event 1 set point	*2	*2	R/W
577	MA18EV1SP	Math18 event 1 set point	*2	*2	R/W
578	AI1EV1RT	AI1 event 1 rate of change time	0	65535	R/W
579	AI2EV1RT	AI2 event 1 rate of change time	0	65535	R/W
580	AI3EV1RT	AI3 event 1 rate of change time	0	65535	R/W
581	AI4EV1RT	AI4 event 1 rate of change time	0	65535	R/W
582	AI5EV1RT	AI5 event 1 rate of change time	0	65535	R/W
583	AI6EV1RT	AI6 event 1 rate of change time	0	65535	R/W
584	AI7EV1RT	AI7 event 1 rate of change time	0	65535	R/W

585	AI8EV1RT	AI8 event 1 rate of change time	0	65535	R/W
586	AI9EV1RT	AI9 event 1 rate of change time	0	65535	R/W
587	AI10EV1RT	AI10 event 1 rate of change time	0	65535	R/W
588	AI11EV1RT	AI11 event 1 rate of change time	0	65535	R/W
589	AI12EV1RT	AI12 event 1 rate of change time	0	65535	R/W
590	AI13EV1RT	AI13 event 1 rate of change time	0	65535	R/W
591	AI14EV1RT	AI14 event 1 rate of change time	0	65535	R/W
592	AI15EV1RT	AI15 event 1 rate of change time	0	65535	R/W
593	AI16EV1RT	AI16 event 1 rate of change time	0	65535	R/W
594	AI17EV1RT	AI17 event 1 rate of change time	0	65535	R/W
595	AI18EV1RT	AI18 event 1 rate of change time	0	65535	R/W
596	MA1EV1RT	Math1 event 1 rate of change time	0	65535	R/W
597	MA2EV1RT	Math2 event 1 rate of change time	0	65535	R/W
598	MA3EV1RT	Math3 event 1 rate of change time	0	65535	R/W
599	MA4EV1RT	Math4 event 1 rate of change time	0	65535	R/W
600	MA5EV1RT	Math5 event 1 rate of change time	0	65535	R/W
601	MA6EV1RT	Math6 event 1 rate of change time	0	65535	R/W
602	MA7EV1RT	Math7 event 1 rate of change time	0	65535	R/W
603	MA8EV1RT	Math8 event 1 rate of change time	0	65535	R/W
604	MA9EV1RT	Math9 event 1 rate of change time	0	65535	R/W
605	MA10EV1RT	Math10 event 1 rate of change time	0	65535	R/W
606	MA11EV1RT	Math11 event 1 rate of change time	0	65535	R/W
607	MA12EV1RT	Math12 event 1 rate of change time	0	65535	R/W
608	MA13EV1RT	Math13 event 1 rate of change time	0	65535	R/W
609	MA14EV1RT	Math14 event 1 rate of change time	0	65535	R/W
610	MA15EV1RT	Math15 event 1 rate of change time	0	65535	R/W
611	MA16EV1RT	Math16 event 1 rate of change time	0	65535	R/W
612	MA17EV1RT	Math17 event 1 rate of change time	0	65535	R/W
613	MA18EV1RT	Math18 event 1 rate of change time	0	65535	R/W
614	AI1EV1JB1	AI1 event 1 job 1	0	65535	R/W
615	AI2EV1JB1	AI2 event 1 job 1	0	65535	R/W
616	AI3EV1JB1	AI3 event 1 job 1	0	65535	R/W
617	AI4EV1JB1	AI4 event 1 job 1	0	65535	R/W
618	AI5EV1JB1	AI5 event 1 job 1	0	65535	R/W
619	AI6EV1JB1	AI6 event 1 job 1	0	65535	R/W
620	AI7EV1JB1	AI7 event 1 job 1	0	65535	R/W
621	AI8EV1JB1	AI8 event 1 job 1	0	65535	R/W
622	AI9EV1JB1	AI9 event 1 job 1	0	65535	R/W
623	AI10EV1JB1	AI10 event 1 job 1	0	65535	R/W
624	AI11EV1JB1	AI11 event 1 job 1	0	65535	R/W
625	AI12EV1JB1	AI12 event 1 job 1	0	65535	R/W
626	AI13EV1JB1	AI13 event 1 job 1	0	65535	R/W
627	AI14EV1JB1	AI14 event 1 job 1	0	65535	R/W
628	AI15EV1JB1	AI15 event 1 job 1	0	65535	R/W
629	AI16EV1JB1	AI16 event 1 job 1	0	65535	R/W
630	AI17EV1JB1	AI17 event 1 job 1	0	65535	R/W
631	AI18EV1JB1	AI18 event 1 job 1	0	65535	R/W
632	MA1EV1JB1	Math1 event 1 job 1	0	65535	R/W
633	MA2EV1JB1	Math2 event 1 job 1	0	65535	R/W

634	MA3EV1JB1	Math3 event 1 job 1	0	65535	R/W
635	MA4EV1JB1	Math4 event 1 job 1	0	65535	R/W
636	MA5EV1JB1	Math5 event 1 job 1	0	65535	R/W
637	MA6EV1JB1	Math6 event 1 job 1	0	65535	R/W
638	MA7EV1JB1	Math7 event 1 job 1	0	65535	R/W
639	MA8EV1JB1	Math8 event 1 job 1	0	65535	R/W
640	MA9EV1JB1	Math9 event 1 job 1	0	65535	R/W
641	MA10EV1JB1	Math10 event 1 job 1	0	65535	R/W
642	MA11EV1JB1	Math11 event 1 job 1	0	65535	R/W
643	MA12EV1JB1	Math12 event 1 job 1	0	65535	R/W
644	MA13EV1JB1	Math13 event 1 job 1	0	65535	R/W
645	MA14EV1JB1	Math14 event 1 job 1	0	65535	R/W
646	MA15EV1JB1	Math15 event 1 job 1	0	65535	R/W
647	MA16EV1JB1	Math16 event 1 job 1	0	65535	R/W
648	MA17EV1JB1	Math17 event 1 job 1	0	65535	R/W
649	MA18EV1JB1	Math18 event 1 job 1	0	65535	R/W
650	AI1EV1PM1	AI1 event 1 job 1 parameter	0	65535	R/W
651	AI2EV1PM1	AI2 event 1 job 1 parameter	0	65535	R/W
652	AI3EV1PM1	AI3 event 1 job 1 parameter	0	65535	R/W
653	AI4EV1PM1	AI4 event 1 job 1 parameter	0	65535	R/W
654	AI5EV1PM1	AI5 event 1 job 1 parameter	0	65535	R/W
655	AI6EV1PM1	AI6 event 1 job 1 parameter	0	65535	R/W
656	AI7EV1PM1	AI7 event 1 job 1 parameter	0	65535	R/W
657	AI8EV1PM1	AI8 event 1 job 1 parameter	0	65535	R/W
658	AI9EV1PM1	AI9 event 1 job 1 parameter	0	65535	R/W
659	AI10EV1PM1	AI10 event 1 job 1 parameter	0	65535	R/W
660	AI11EV1PM1	AI11 event 1 job 1 parameter	0	65535	R/W
661	AI12EV1PM1	AI12 event 1 job 1 parameter	0	65535	R/W
662	AI13EV1PM1	AI13 event 1 job 1 parameter	0	65535	R/W
663	AI14EV1PM1	AI14 event 1 job 1 parameter	0	65535	R/W
664	AI15EV1PM1	AI15 event 1 job 1 parameter	0	65535	R/W
665	AI16EV1PM1	AI16 event 1 job 1 parameter	0	65535	R/W
666	AI17EV1PM1	AI17 event 1 job 1 parameter	0	65535	R/W
667	AI18EV1PM1	AI18 event 1 job 1 parameter	0	65535	R/W
668	MA1EV1PM1	Math1 event 1 job 1 parameter	0	65535	R/W
669	MA2EV1PM1	Math2 event 1 job 1 parameter	0	65535	R/W
670	MA3EV1PM1	Math3 event 1 job 1 parameter	0	65535	R/W
671	MA4EV1PM1	Math4 event 1 job 1 parameter	0	65535	R/W
672	MA5EV1PM1	Math5 event 1 job 1 parameter	0	65535	R/W
673	MA6EV1PM1	Math6 event 1 job 1 parameter	0	65535	R/W
674	MA7EV1PM1	Math7 event 1 job 1 parameter	0	65535	R/W
675	MA8EV1PM1	Math8 event 1 job 1 parameter	0	65535	R/W
676	MA9EV1PM1	Math9 event 1 job 1 parameter	0	65535	R/W
677	MA10EV1PM1	Math10 event 1 job 1 parameter	0	65535	R/W
678	MA11EV1PM1	Math11 event 1 job 1 parameter	0	65535	R/W
679	MA12EV1PM1	Math12 event 1 job 1 parameter	0	65535	R/W
680	MA13EV1PM1	Math13 event 1 job 1 parameter	0	65535	R/W
681	MA14EV1PM1	Math14 event 1 job 1 parameter	0	65535	R/W
682	MA15EV1PM1	Math15 event 1 job 1 parameter	0	65535	R/W

683	MA16EV1PM1	Math16 event 1 job 1 parameter	0	65535	R/W
684	MA17EV1PM1	Math17 event 1 job 1 parameter	0	65535	R/W
685	MA18EV1PM1	Math18 event 1 job 1 parameter	0	65535	R/W
686	AI1EV1JB2	AI1 event 1 job 2	0	65535	R/W
687	AI2EV1JB2	AI2 event 1 job 2	0	65535	R/W
688	AI3EV1JB2	AI3 event 1 job 2	0	65535	R/W
689	AI4EV1JB2	AI4 event 1 job 2	0	65535	R/W
690	AI5EV1JB2	AI5 event 1 job 2	0	65535	R/W
691	AI6EV1JB2	AI6 event 1 job 2	0	65535	R/W
692	AI7EV1JB2	AI7 event 1 job 2	0	65535	R/W
693	AI8EV1JB2	AI8 event 1 job 2	0	65535	R/W
694	AI9EV1JB2	AI9 event 1 job 2	0	65535	R/W
695	AI10EV1JB2	AI10 event 1 job 2	0	65535	R/W
696	AI11EV1JB2	AI11 event 1 job 2	0	65535	R/W
697	AI12EV1JB2	AI12 event 1 job 2	0	65535	R/W
698	AI13EV1JB2	AI13 event 1 job 2	0	65535	R/W
699	AI14EV1JB2	AI14 event 1 job 2	0	65535	R/W
700	AI15EV1JB2	AI15 event 1 job 2	0	65535	R/W
701	AI16EV1JB2	AI16 event 1 job 2	0	65535	R/W
702	AI17EV1JB2	AI17 event 1 job 2	0	65535	R/W
703	AI18EV1JB2	AI18 event 1 job 2	0	65535	R/W
704	MA1EV1JB2	Math1 event 1 job 2	0	65535	R/W
705	MA2EV1JB2	Math2 event 1 job 2	0	65535	R/W
706	MA3EV1JB2	Math3 event 1 job 2	0	65535	R/W
707	MA4EV1JB2	Math4 event 1 job 2	0	65535	R/W
708	MA5EV1JB2	Math5 event 1 job 2	0	65535	R/W
709	MA6EV1JB2	Math6 event 1 job 2	0	65535	R/W
710	MA7EV1JB2	Math7 event 1 job 2	0	65535	R/W
711	MA8EV1JB2	Math8 event 1 job 2	0	65535	R/W
712	MA9EV1JB2	Math9 event 1 job 2	0	65535	R/W
713	MA10EV1JB2	Math10 event 1 job 2	0	65535	R/W
714	MA11EV1JB2	Math11 event 1 job 2	0	65535	R/W
715	MA12EV1JB2	Math12 event 1 job 2	0	65535	R/W
716	MA13EV1JB2	Math13 event 1 job 2	0	65535	R/W
717	MA14EV1JB2	Math14 event 1 job 2	0	65535	R/W
718	MA15EV1JB2	Math15 event 1 job 2	0	65535	R/W
719	MA16EV1JB2	Math16 event 1 job 2	0	65535	R/W
720	MA17EV1JB2	Math17 event 1 job 2	0	65535	R/W
721	MA18EV1JB2	Math18 event 1 job 2	0	65535	R/W
722	AI1EV1PM2	AI1 event 1 job 2 parameter	0	65535	R/W
723	AI2EV1PM2	AI2 event 1 job 2 parameter	0	65535	R/W
724	AI3EV1PM2	AI3 event 1 job 2 parameter	0	65535	R/W
725	AI4EV1PM2	AI4 event 1 job 2 parameter	0	65535	R/W
726	AI5EV1PM2	AI5 event 1 job 2 parameter	0	65535	R/W
727	AI6EV1PM2	AI6 event 1 job 2 parameter	0	65535	R/W
728	AI7EV1PM2	AI7 event 1 job 2 parameter	0	65535	R/W
729	AI8EV1PM2	AI8 event 1 job 2 parameter	0	65535	R/W
730	AI9EV1PM2	AI9 event 1 job 2 parameter	0	65535	R/W
731	AI10EV1PM2	AI10 event 1 job 2 parameter	0	65535	R/W

732	AI11EV1PM2	AI11 event 1 job 2 parameter	0	65535	R/W
733	AI12EV1PM2	AI12 event 1 job 2 parameter	0	65535	R/W
734	AI13EV1PM2	AI13 event 1 job 2 parameter	0	65535	R/W
735	AI14EV1PM2	AI14 event 1 job 2 parameter	0	65535	R/W
736	AI15EV1PM2	AI15 event 1 job 2 parameter	0	65535	R/W
737	AI16EV1PM2	AI16 event 1 job 2 parameter	0	65535	R/W
738	AI17EV1PM2	AI17 event 1 job 2 parameter	0	65535	R/W
739	AI18EV1PM2	AI18 event 1 job 2 parameter	0	65535	R/W
740	MA1EV1PM2	Math1 event 1 job 2 parameter	0	65535	R/W
741	MA2EV1PM2	Math2 event 1 job 2 parameter	0	65535	R/W
742	MA3EV1PM2	Math3 event 1 job 2 parameter	0	65535	R/W
743	MA4EV1PM2	Math4 event 1 job 2 parameter	0	65535	R/W
744	MA5EV1PM2	Math5 event 1 job 2 parameter	0	65535	R/W
745	MA6EV1PM2	Math6 event 1 job 2 parameter	0	65535	R/W
746	MA7EV1PM2	Math7 event 1 job 2 parameter	0	65535	R/W
747	MA8EV1PM2	Math8 event 1 job 2 parameter	0	65535	R/W
748	MA9EV1PM2	Math9 event 1 job 2 parameter	0	65535	R/W
749	MA10EV1PM2	Math10 event 1 job 2 parameter	0	65535	R/W
750	MA11EV1PM2	Math11 event 1 job 2 parameter	0	65535	R/W
751	MA12EV1PM2	Math12 event 1 job 2 parameter	0	65535	R/W
752	MA13EV1PM2	Math13 event 1 job 2 parameter	0	65535	R/W
753	MA14EV1PM2	Math14 event 1 job 2 parameter	0	65535	R/W
754	MA15EV1PM2	Math15 event 1 job 2 parameter	0	65535	R/W
755	MA16EV1PM2	Math16 event 1 job 2 parameter	0	65535	R/W
756	MA17EV1PM2	Math17 event 1 job 2 parameter	0	65535	R/W
757	MA18EV1PM2	Math18 event 1 job 2 parameter	0	65535	R/W
758	AI1EV2TP	AI1 event 2 type	0	65535	R/W
759	AI2EV2TP	AI2 event 2 type	0	65535	R/W
760	AI3EV2TP	AI3 event 2 type	0	65535	R/W
761	AI4EV2TP	AI4 event 2 type	0	65535	R/W
762	AI5EV2TP	AI5 event 2 type	0	65535	R/W
763	AI6EV2TP	AI6 event 2 type	0	65535	R/W
764	AI7EV2TP	AI7 event 2 type	0	65535	R/W
765	AI8EV2TP	AI8 event 2 type	0	65535	R/W
766	AI9EV2TP	AI9 event 2 type	0	65535	R/W
767	AI10EV2TP	AI10 event 2 type	0	65535	R/W
768	AI11EV2TP	AI11 event 2 type	0	65535	R/W
769	AI12EV2TP	AI12 event 2 type	0	65535	R/W
770	AI13EV2TP	AI13 event 2 type	0	65535	R/W
771	AI14EV2TP	AI14 event 2 type	0	65535	R/W
772	AI15EV2TP	AI15 event 2 type	0	65535	R/W
773	AI16EV2TP	AI16 event 2 type	0	65535	R/W
774	AI17EV2TP	AI17 event 2 type	0	65535	R/W
775	AI18EV2TP	AI18 event 2 type	0	65535	R/W
776	MA1EV2TP	Math1 event 2 type	0	65535	R/W
777	MA2EV2TP	Math2 event 2 type	0	65535	R/W
778	MA3EV2TP	Math3 event 2 type	0	65535	R/W
779	MA4EV2TP	Math4 event 2 type	0	65535	R/W
780	MA5EV2TP	Math5 event 2 type	0	65535	R/W

781	MA6EV2TP	Math6 event 2 type	0	65535	R/W
782	MA7EV2TP	Math7 event 2 type	0	65535	R/W
783	MA8EV2TP	Math8 event 2 type	0	65535	R/W
784	MA9EV2TP	Math9 event 2 type	0	65535	R/W
785	MA10EV2TP	Math10 event 2 type	0	65535	R/W
786	MA11EV2TP	Math11 event 2 type	0	65535	R/W
787	MA12EV2TP	Math12 event 2 type	0	65535	R/W
788	MA13EV2TP	Math13 event 2 type	0	65535	R/W
789	MA14EV2TP	Math14 event 2 type	0	65535	R/W
790	MA15EV2TP	Math15 event 2 type	0	65535	R/W
791	MA16EV2TP	Math16 event 2 type	0	65535	R/W
792	MA17EV2TP	Math17 event 2 type	0	65535	R/W
793	MA18EV2TP	Math18 event 2 type	0	65535	R/W
794	AI1EV2SP	AI1 event 2 set point	*1	*1	R/W
795	AI2EV2SP	AI2 event 2 set point	*1	*1	R/W
796	AI3EV2SP	AI3 event 2 set point	*1	*1	R/W
797	AI4EV2SP	AI4 event 2 set point	*1	*1	R/W
798	AI5EV2SP	AI5 event 2 set point	*1	*1	R/W
799	AI6EV2SP	AI6 event 2 set point	*1	*1	R/W
800	AI7EV2SP	AI7 event 2 set point	*1	*1	R/W
801	AI8EV2SP	AI8 event 2 set point	*1	*1	R/W
802	AI9EV2SP	AI9 event 2 set point	*1	*1	R/W
803	AI10EV2SP	AI10 event 2 set point	*1	*1	R/W
804	AI11EV2SP	AI11 event 2 set point	*1	*1	R/W
805	AI12EV2SP	AI12 event 2 set point	*1	*1	R/W
806	AI13EV2SP	AI13 event 2 set point	*1	*1	R/W
807	AI14EV2SP	AI14 event 2 set point	*1	*1	R/W
808	AI15EV2SP	AI15 event 2 set point	*1	*1	R/W
809	AI16EV2SP	AI16 event 2 set point	*1	*1	R/W
810	AI17EV2SP	AI17 event 2 set point	*1	*1	R/W
811	AI18EV2SP	AI18 event 2 set point	*1	*1	R/W
812	MA1EV2SP	Math1 event 2 set point	*2	*2	R/W
813	MA2EV2SP	Math2 event 2 set point	*2	*2	R/W
814	MA3EV2SP	Math3 event 2 set point	*2	*2	R/W
815	MA4EV2SP	Math4 event 2 set point	*2	*2	R/W
816	MA5EV2SP	Math5 event 2 set point	*2	*2	R/W
817	MA6EV2SP	Math6 event 2 set point	*2	*2	R/W
818	MA7EV2SP	Math7 event 2 set point	*2	*2	R/W
819	MA8EV2SP	Math8 event 2 set point	*2	*2	R/W
820	MA9EV2SP	Math9 event 2 set point	*2	*2	R/W
821	MA10EV2SP	Math10 event 2 set point	*2	*2	R/W
822	MA11EV2SP	Math11 event 2 set point	*2	*2	R/W
823	MA12EV2SP	Math12 event 2 set point	*2	*2	R/W
824	MA13EV2SP	Math13 event 2 set point	*2	*2	R/W
825	MA14EV2SP	Math14 event 2 set point	*2	*2	R/W
826	MA15EV2SP	Math15 event 2 set point	*2	*2	R/W
827	MA16EV2SP	Math16 event 2 set point	*2	*2	R/W
828	MA17EV2SP	Math17 event 2 set point	*2	*2	R/W
829	MA18EV2SP	Math18 event 2 set point	*2	*2	R/W

830	AI1EV2RT	AI1 event 2 rate of change time	0	65535	R/W
831	AI2EV2RT	AI2 event 2 rate of change time	0	65535	R/W
832	AI3EV2RT	AI3 event 2 rate of change time	0	65535	R/W
833	AI4EV2RT	AI4 event 2 rate of change time	0	65535	R/W
834	AI5EV2RT	AI5 event 2 rate of change time	0	65535	R/W
835	AI6EV2RT	AI6 event 2 rate of change time	0	65535	R/W
836	AI7EV2RT	AI7 event 2 rate of change time	0	65535	R/W
837	AI8EV2RT	AI8 event 2 rate of change time	0	65535	R/W
838	AI9EV2RT	AI9 event 2 rate of change time	0	65535	R/W
839	AI10EV2RT	AI10 event 2 rate of change time	0	65535	R/W
840	AI11EV2RT	AI11 event 2 rate of change time	0	65535	R/W
841	AI12EV2RT	AI12 event 2 rate of change time	0	65535	R/W
842	AI13EV2RT	AI13 event 2 rate of change time	0	65535	R/W
843	AI14EV2RT	AI14 event 2 rate of change time	0	65535	R/W
844	AI15EV2RT	AI15 event 2 rate of change time	0	65535	R/W
845	AI16EV2RT	AI16 event 2 rate of change time	0	65535	R/W
846	AI17EV2RT	AI17 event 2 rate of change time	0	65535	R/W
847	AI18EV2RT	AI18 event 2 rate of change time	0	65535	R/W
848	MA1EV2RT	Math1 event 2 rate of change time	0	65535	R/W
849	MA2EV2RT	Math2 event 2 rate of change time	0	65535	R/W
850	MA3EV2RT	Math3 event 2 rate of change time	0	65535	R/W
851	MA4EV2RT	Math4 event 2 rate of change time	0	65535	R/W
852	MA5EV2RT	Math5 event 2 rate of change time	0	65535	R/W
853	MA6EV2RT	Math6 event 2 rate of change time	0	65535	R/W
854	MA7EV2RT	Math7 event 2 rate of change time	0	65535	R/W
855	MA8EV2RT	Math8 event 2 rate of change time	0	65535	R/W
856	MA9EV2RT	Math9 event 2 rate of change time	0	65535	R/W
857	MA10EV2RT	Math10 event 2 rate of change time	0	65535	R/W
858	MA11EV2RT	Math11 event 2 rate of change time	0	65535	R/W
859	MA12EV2RT	Math12 event 2 rate of change time	0	65535	R/W
860	MA13EV2RT	Math13 event 2 rate of change time	0	65535	R/W
861	MA14EV2RT	Math14 event 2 rate of change time	0	65535	R/W
862	MA15EV2RT	Math15 event 2 rate of change time	0	65535	R/W
863	MA16EV2RT	Math16 event 2 rate of change time	0	65535	R/W
864	MA17EV2RT	Math17 event 2 rate of change time	0	65535	R/W
865	MA18EV2RT	Math18 event 2 rate of change time	0	65535	R/W
866	AI1EV2JB1	AI1 event 2 job 1	0	65535	R/W
867	AI2EV2JB1	AI2 event 2 job 1	0	65535	R/W
868	AI3EV2JB1	AI3 event 2 job 1	0	65535	R/W
869	AI4EV2JB1	AI4 event 2 job 1	0	65535	R/W
870	AI5EV2JB1	AI5 event 2 job 1	0	65535	R/W
871	AI6EV2JB1	AI6 event 2 job 1	0	65535	R/W
872	AI7EV2JB1	AI7 event 2 job 1	0	65535	R/W
873	AI8EV2JB1	AI8 event 2 job 1	0	65535	R/W
874	AI9EV2JB1	AI9 event 2 job 1	0	65535	R/W
875	AI10EV2JB1	AI10 event 2 job 1	0	65535	R/W
876	AI11EV2JB1	AI11 event 2 job 1	0	65535	R/W
877	AI12EV2JB1	AI12 event 2 job 1	0	65535	R/W
878	AI13EV2JB1	AI13 event 2 job 1	0	65535	R/W

879	AI14EV2JB1	AI14 event 2 job 1	0	65535	R/W
880	AI15EV2JB1	AI15 event 2 job 1	0	65535	R/W
881	AI16EV2JB1	AI16 event 2 job 1	0	65535	R/W
882	AI17EV2JB1	AI17 event 2 job 1	0	65535	R/W
883	AI18EV2JB1	AI18 event 2 job 1	0	65535	R/W
884	MA1EV2JB1	Math1 event 2 job 1	0	65535	R/W
885	MA2EV2JB1	Math2 event 2 job 1	0	65535	R/W
886	MA3EV2JB1	Math3 event 2 job 1	0	65535	R/W
887	MA4EV2JB1	Math4 event 2 job 1	0	65535	R/W
888	MA5EV2JB1	Math5 event 2 job 1	0	65535	R/W
889	MA6EV2JB1	Math6 event 2 job 1	0	65535	R/W
890	MA7EV2JB1	Math7 event 2 job 1	0	65535	R/W
891	MA8EV2JB1	Math8 event 2 job 1	0	65535	R/W
892	MA9EV2JB1	Math9 event 2 job 1	0	65535	R/W
893	MA10EV2JB1	Math10 event 2 job 1	0	65535	R/W
894	MA11EV2JB1	Math11 event 2 job 1	0	65535	R/W
895	MA12EV2JB1	Math12 event 2 job 1	0	65535	R/W
896	MA13EV2JB1	Math13 event 2 job 1	0	65535	R/W
897	MA14EV2JB1	Math14 event 2 job 1	0	65535	R/W
898	MA15EV2JB1	Math15 event 2 job 1	0	65535	R/W
899	MA16EV2JB1	Math16 event 2 job 1	0	65535	R/W
900	MA17EV2JB1	Math17 event 2 job 1	0	65535	R/W
901	MA18EV2JB1	Math18 event 2 job 1	0	65535	R/W
902	AI1EV2PM1	AI1 event 2 job 1 parameter	0	65535	R/W
903	AI2EV2PM1	AI2 event 2 job 1 parameter	0	65535	R/W
904	AI3EV2PM1	AI3 event 2 job 1 parameter	0	65535	R/W
905	AI4EV2PM1	AI4 event 2 job 1 parameter	0	65535	R/W
906	AI5EV2PM1	AI5 event 2 job 1 parameter	0	65535	R/W
907	AI6EV2PM1	AI6 event 2 job 1 parameter	0	65535	R/W
908	AI7EV2PM1	AI7 event 2 job 1 parameter	0	65535	R/W
909	AI8EV2PM1	AI8 event 2 job 1 parameter	0	65535	R/W
910	AI9EV2PM1	AI9 event 2 job 1 parameter	0	65535	R/W
911	AI10EV2PM1	AI10 event 2 job 1 parameter	0	65535	R/W
912	AI11EV2PM1	AI11 event 2 job 1 parameter	0	65535	R/W
913	AI12EV2PM1	AI12 event 2 job 1 parameter	0	65535	R/W
914	AI13EV2PM1	AI13 event 2 job 1 parameter	0	65535	R/W
915	AI14EV2PM1	AI14 event 2 job 1 parameter	0	65535	R/W
916	AI15EV2PM1	AI15 event 2 job 1 parameter	0	65535	R/W
917	AI16EV2PM1	AI16 event 2 job 1 parameter	0	65535	R/W
918	AI17EV2PM1	AI17 event 2 job 1 parameter	0	65535	R/W
919	AI18EV2PM1	AI18 event 2 job 1 parameter	0	65535	R/W
920	MA1EV2PM1	Math1 event 2 job 1 parameter	0	65535	R/W
921	MA2EV2PM1	Math2 event 2 job 1 parameter	0	65535	R/W
922	MA3EV2PM1	Math3 event 2 job 1 parameter	0	65535	R/W
923	MA4EV2PM1	Math4 event 2 job 1 parameter	0	65535	R/W
924	MA5EV2PM1	Math5 event 2 job 1 parameter	0	65535	R/W
925	MA6EV2PM1	Math6 event 2 job 1 parameter	0	65535	R/W
926	MA7EV2PM1	Math7 event 2 job 1 parameter	0	65535	R/W
927	MA8EV2PM1	Math8 event 2 job 1 parameter	0	65535	R/W

928	MA9EV2PM1	Math9 event 2 job 1 parameter	0	65535	R/W
929	MA10EV2PM1	Math10 event 2 job 1 parameter	0	65535	R/W
930	MA11EV2PM1	Math11 event 2 job 1 parameter	0	65535	R/W
931	MA12EV2PM1	Math12 event 2 job 1 parameter	0	65535	R/W
932	MA13EV2PM1	Math13 event 2 job 1 parameter	0	65535	R/W
933	MA14EV2PM1	Math14 event 2 job 1 parameter	0	65535	R/W
934	MA15EV2PM1	Math15 event 2 job 1 parameter	0	65535	R/W
935	MA16EV2PM1	Math16 event 2 job 1 parameter	0	65535	R/W
936	MA17EV2PM1	Math17 event 2 job 1 parameter	0	65535	R/W
937	MA18EV2PM1	Math18 event 2 job 1 parameter	0	65535	R/W
938	AI1EV2JB2	AI1 event 2 job 2	0	65535	R/W
939	AI2EV2JB2	AI2 event 2 job 2	0	65535	R/W
940	AI3EV2JB2	AI3 event 2 job 2	0	65535	R/W
941	AI4EV2JB2	AI4 event 2 job 2	0	65535	R/W
942	AI5EV2JB2	AI5 event 2 job 2	0	65535	R/W
943	AI6EV2JB2	AI6 event 2 job 2	0	65535	R/W
944	AI7EV2JB2	AI7 event 2 job 2	0	65535	R/W
945	AI8EV2JB2	AI8 event 2 job 2	0	65535	R/W
946	AI9EV2JB2	AI9 event 2 job 2	0	65535	R/W
947	AI10EV2JB2	AI10 event 2 job 2	0	65535	R/W
948	AI11EV2JB2	AI11 event 2 job 2	0	65535	R/W
949	AI12EV2JB2	AI12 event 2 job 2	0	65535	R/W
950	AI13EV2JB2	AI13 event 2 job 2	0	65535	R/W
951	AI14EV2JB2	AI14 event 2 job 2	0	65535	R/W
952	AI15EV2JB2	AI15 event 2 job 2	0	65535	R/W
953	AI16EV2JB2	AI16 event 2 job 2	0	65535	R/W
954	AI17EV2JB2	AI17 event 2 job 2	0	65535	R/W
955	AI18EV2JB2	AI18 event 2 job 2	0	65535	R/W
956	MA1EV2JB2	Math1 event 2 job 2	0	65535	R/W
957	MA2EV2JB2	Math2 event 2 job 2	0	65535	R/W
958	MA3EV2JB2	Math3 event 2 job 2	0	65535	R/W
959	MA4EV2JB2	Math4 event 2 job 2	0	65535	R/W
960	MA5EV2JB2	Math5 event 2 job 2	0	65535	R/W
961	MA6EV2JB2	Math6 event 2 job 2	0	65535	R/W
962	MA7EV2JB2	Math7 event 2 job 2	0	65535	R/W
963	MA8EV2JB2	Math8 event 2 job 2	0	65535	R/W
964	MA9EV2JB2	Math9 event 2 job 2	0	65535	R/W
965	MA10EV2JB2	Math10 event 2 job 2	0	65535	R/W
966	MA11EV2JB2	Math11 event 2 job 2	0	65535	R/W
967	MA12EV2JB2	Math12 event 2 job 2	0	65535	R/W
968	MA13EV2JB2	Math13 event 2 job 2	0	65535	R/W
969	MA14EV2JB2	Math14 event 2 job 2	0	65535	R/W
970	MA15EV2JB2	Math15 event 2 job 2	0	65535	R/W
971	MA16EV2JB2	Math16 event 2 job 2	0	65535	R/W
972	MA17EV2JB2	Math17 event 2 job 2	0	65535	R/W
973	MA18EV2JB2	Math18 event 2 job 2	0	65535	R/W
974	AI1EV2PM2	AI1 event 2 job 2 parameter	0	65535	R/W
975	AI2EV2PM2	AI2 event 2 job 2 parameter	0	65535	R/W
976	AI3EV2PM2	AI3 event 2 job 2 parameter	0	65535	R/W

977	AI4EV2PM2	AI4 event 2 job 2 parameter	0	65535	R/W
978	AI5EV2PM2	AI5 event 2 job 2 parameter	0	65535	R/W
979	AI6EV2PM2	AI6 event 2 job 2 parameter	0	65535	R/W
980	AI7EV2PM2	AI7 event 2 job 2 parameter	0	65535	R/W
981	AI8EV2PM2	AI8 event 2 job 2 parameter	0	65535	R/W
982	AI9EV2PM2	AI9 event 2 job 2 parameter	0	65535	R/W
983	AI10EV2PM2	AI10 event 2 job 2 parameter	0	65535	R/W
984	AI11EV2PM2	AI11 event 2 job 2 parameter	0	65535	R/W
985	AI12EV2PM2	AI12 event 2 job 2 parameter	0	65535	R/W
986	AI13EV2PM2	AI13 event 2 job 2 parameter	0	65535	R/W
987	AI14EV2PM2	AI14 event 2 job 2 parameter	0	65535	R/W
988	AI15EV2PM2	AI15 event 2 job 2 parameter	0	65535	R/W
989	AI16EV2PM2	AI16 event 2 job 2 parameter	0	65535	R/W
990	AI17EV2PM2	AI17 event 2 job 2 parameter	0	65535	R/W
991	AI18EV2PM2	AI18 event 2 job 2 parameter	0	65535	R/W
992	MA1EV2PM2	Math1 event 2 job 2 parameter	0	65535	R/W
993	MA2EV2PM2	Math2 event 2 job 2 parameter	0	65535	R/W
994	MA3EV2PM2	Math3 event 2 job 2 parameter	0	65535	R/W
995	MA4EV2PM2	Math4 event 2 job 2 parameter	0	65535	R/W
996	MA5EV2PM2	Math5 event 2 job 2 parameter	0	65535	R/W
997	MA6EV2PM2	Math6 event 2 job 2 parameter	0	65535	R/W
998	MA7EV2PM2	Math7 event 2 job 2 parameter	0	65535	R/W
999	MA8EV2PM2	Math8 event 2 job 2 parameter	0	65535	R/W
1000	MA9EV2PM2	Math9 event 2 job 2 parameter	0	65535	R/W
1001	MA10EV2PM2	Math10 event 2 job 2 parameter	0	65535	R/W
1002	MA11EV2PM2	Math11 event 2 job 2 parameter	0	65535	R/W
1003	MA12EV2PM2	Math12 event 2 job 2 parameter	0	65535	R/W
1004	MA13EV2PM2	Math13 event 2 job 2 parameter	0	65535	R/W
1005	MA14EV2PM2	Math14 event 2 job 2 parameter	0	65535	R/W
1006	MA15EV2PM2	Math15 event 2 job 2 parameter	0	65535	R/W
1007	MA16EV2PM2	Math16 event 2 job 2 parameter	0	65535	R/W
1008	MA17EV2PM2	Math17 event 2 job 2 parameter	0	65535	R/W
1009	MA18EV2PM2	Math18 event 2 job 2 parameter	0	65535	R/W
1010	AI1EV3TP	AI1 event 3 type	0	65535	R/W
1011	AI2EV3TP	AI2 event 3 type	0	65535	R/W
1012	AI3EV3TP	AI3 event 3 type	0	65535	R/W
1013	AI4EV3TP	AI4 event 3 type	0	65535	R/W
1014	AI5EV3TP	AI5 event 3 type	0	65535	R/W
1015	AI6EV3TP	AI6 event 3 type	0	65535	R/W
1016	AI7EV3TP	AI7 event 3 type	0	65535	R/W
1017	AI8EV3TP	AI8 event 3 type	0	65535	R/W
1018	AI9EV3TP	AI9 event 3 type	0	65535	R/W
1019	AI10EV3TP	AI10 event 3 type	0	65535	R/W
1020	AI11EV3TP	AI11 event 3 type	0	65535	R/W
1021	AI12EV3TP	AI12 event 3 type	0	65535	R/W
1022	AI13EV3TP	AI13 event 3 type	0	65535	R/W
1023	AI14EV3TP	AI14 event 3 type	0	65535	R/W
1024	AI15EV3TP	AI15 event 3 type	0	65535	R/W
1025	AI16EV3TP	AI16 event 3 type	0	65535	R/W

1026	AI17EV3TP	AI17 event 3 type	0	65535	R/W
1027	AI18EV3TP	AI18 event 3 type	0	65535	R/W
1028	MA1EV3TP	Math1 event 3 type	0	65535	R/W
1029	MA2EV3TP	Math2 event 3 type	0	65535	R/W
1030	MA3EV3TP	Math3 event 3 type	0	65535	R/W
1031	MA4EV3TP	Math4 event 3 type	0	65535	R/W
1032	MA5EV3TP	Math5 event 3 type	0	65535	R/W
1033	MA6EV3TP	Math6 event 3 type	0	65535	R/W
1034	MA7EV3TP	Math7 event 3 type	0	65535	R/W
1035	MA8EV3TP	Math8 event 3 type	0	65535	R/W
1036	MA9EV3TP	Math9 event 3 type	0	65535	R/W
1037	MA10EV3TP	Math10 event 3 type	0	65535	R/W
1038	MA11EV3TP	Math11 event 3 type	0	65535	R/W
1039	MA12EV3TP	Math12 event 3 type	0	65535	R/W
1040	MA13EV3TP	Math13 event 3 type	0	65535	R/W
1041	MA14EV3TP	Math14 event 3 type	0	65535	R/W
1042	MA15EV3TP	Math15 event 3 type	0	65535	R/W
1043	MA16EV3TP	Math16 event 3 type	0	65535	R/W
1044	MA17EV3TP	Math17 event 3 type	0	65535	R/W
1045	MA18EV3TP	Math18 event 3 type	0	65535	R/W
1046	AI1EV3SP	AI1 event 3 set point	*1	*1	R/W
1047	AI2EV3SP	AI2 event 3 set point	*1	*1	R/W
1048	AI3EV3SP	AI3 event 3 set point	*1	*1	R/W
1049	AI4EV3SP	AI4 event 3 set point	*1	*1	R/W
1050	AI5EV3SP	AI5 event 3 set point	*1	*1	R/W
1051	AI6EV3SP	AI6 event 3 set point	*1	*1	R/W
1052	AI7EV3SP	AI7 event 3 set point	*1	*1	R/W
1053	AI8EV3SP	AI8 event 3 set point	*1	*1	R/W
1054	AI9EV3SP	AI9 event 3 set point	*1	*1	R/W
1055	AI10EV3SP	AI10 event 3 set point	*1	*1	R/W
1056	AI11EV3SP	AI11 event 3 set point	*1	*1	R/W
1057	AI12EV3SP	AI12 event 3 set point	*1	*1	R/W
1058	AI13EV3SP	AI13 event 3 set point	*1	*1	R/W
1059	AI14EV3SP	AI14 event 3 set point	*1	*1	R/W
1060	AI15EV3SP	AI15 event 3 set point	*1	*1	R/W
1061	AI16EV3SP	AI16 event 3 set point	*1	*1	R/W
1062	AI17EV3SP	AI17 event 3 set point	*1	*1	R/W
1063	AI18EV3SP	AI18 event 3 set point	*1	*1	R/W
1064	MA1EV3SP	Math1 event 3 set point	*2	*2	R/W
1065	MA2EV3SP	Math2 event 3 set point	*2	*2	R/W
1066	MA3EV3SP	Math3 event 3 set point	*2	*2	R/W
1067	MA4EV3SP	Math4 event 3 set point	*2	*2	R/W
1068	MA5EV3SP	Math5 event 3 set point	*2	*2	R/W
1069	MA6EV3SP	Math6 event 3 set point	*2	*2	R/W
1070	MA7EV3SP	Math7 event 3 set point	*2	*2	R/W
1071	MA8EV3SP	Math8 event 3 set point	*2	*2	R/W
1072	MA9EV3SP	Math9 event 3 set point	*2	*2	R/W
1073	MA10EV3SP	Math10 event 3 set point	*2	*2	R/W
1074	MA11EV3SP	Math11 event 3 set point	*2	*2	R/W

1075	MA12EV3SP	Math12 event 3 set point	*2	*2	R/W
1076	MA13EV3SP	Math13 event 3 set point	*2	*2	R/W
1077	MA14EV3SP	Math14 event 3 set point	*2	*2	R/W
1078	MA15EV3SP	Math15 event 3 set point	*2	*2	R/W
1079	MA16EV3SP	Math16 event 3 set point	*2	*2	R/W
1080	MA17EV3SP	Math17 event 3 set point	*2	*2	R/W
1081	MA18EV3SP	Math18 event 3 set point	*2	*2	R/W
1082	AI1EV3RT	AI1 event 3 rate of change time	0	65535	R/W
1083	AI2EV3RT	AI2 event 3 rate of change time	0	65535	R/W
1084	AI3EV3RT	AI3 event 3 rate of change time	0	65535	R/W
1085	AI4EV3RT	AI4 event 3 rate of change time	0	65535	R/W
1086	AI5EV3RT	AI5 event 3 rate of change time	0	65535	R/W
1087	AI6EV3RT	AI6 event 3 rate of change time	0	65535	R/W
1088	AI7EV3RT	AI7 event 3 rate of change time	0	65535	R/W
1089	AI8EV3RT	AI8 event 3 rate of change time	0	65535	R/W
1090	AI9EV3RT	AI9 event 3 rate of change time	0	65535	R/W
1091	AI10EV3RT	AI10 event 3 rate of change time	0	65535	R/W
1092	AI11EV3RT	AI11 event 3 rate of change time	0	65535	R/W
1093	AI12EV3RT	AI12 event 3 rate of change time	0	65535	R/W
1094	AI13EV3RT	AI13 event 3 rate of change time	0	65535	R/W
1095	AI14EV3RT	AI14 event 3 rate of change time	0	65535	R/W
1096	AI15EV3RT	AI15 event 3 rate of change time	0	65535	R/W
1097	AI16EV3RT	AI16 event 3 rate of change time	0	65535	R/W
1098	AI17EV3RT	AI17 event 3 rate of change time	0	65535	R/W
1099	AI18EV3RT	AI18 event 3 rate of change time	0	65535	R/W
1100	MA1EV3RT	Math1 event 3 rate of change time	0	65535	R/W
1101	MA2EV3RT	Math2 event 3 rate of change time	0	65535	R/W
1102	MA3EV3RT	Math3 event 3 rate of change time	0	65535	R/W
1103	MA4EV3RT	Math4 event 3 rate of change time	0	65535	R/W
1104	MA5EV3RT	Math5 event 3 rate of change time	0	65535	R/W
1105	MA6EV3RT	Math6 event 3 rate of change time	0	65535	R/W
1106	MA7EV3RT	Math7 event 3 rate of change time	0	65535	R/W
1107	MA8EV3RT	Math8 event 3 rate of change time	0	65535	R/W
1108	MA9EV3RT	Math9 event 3 rate of change time	0	65535	R/W
1109	MA10EV3RT	Math10 event 3 rate of change time	0	65535	R/W
1110	MA11EV3RT	Math11 event 3 rate of change time	0	65535	R/W
1111	MA12EV3RT	Math12 event 3 rate of change time	0	65535	R/W
1112	MA13EV3RT	Math13 event 3 rate of change time	0	65535	R/W
1113	MA14EV3RT	Math14 event 3 rate of change time	0	65535	R/W
1114	MA15EV3RT	Math15 event 3 rate of change time	0	65535	R/W
1115	MA16EV3RT	Math16 event 3 rate of change time	0	65535	R/W
1116	MA17EV3RT	Math17 event 3 rate of change time	0	65535	R/W
1117	MA18EV3RT	Math18 event 3 rate of change time	0	65535	R/W
1118	AI1EV3JB1	AI1 event 3 job 1	0	65535	R/W
1119	AI2EV3JB1	AI2 event 3 job 1	0	65535	R/W
1120	AI3EV3JB1	AI3 event 3 job 1	0	65535	R/W
1121	AI4EV3JB1	AI4 event 3 job 1	0	65535	R/W
1122	AI5EV3JB1	AI5 event 3 job 1	0	65535	R/W
1123	AI6EV3JB1	AI6 event 3 job 1	0	65535	R/W

1124	AI7EV3JB1	AI7 event 3 job 1	0	65535	R/W
1125	AI8EV3JB1	AI8 event 3 job 1	0	65535	R/W
1126	AI9EV3JB1	AI9 event 3 job 1	0	65535	R/W
1127	AI10EV3JB1	AI10 event 3 job 1	0	65535	R/W
1128	AI11EV3JB1	AI11 event 3 job 1	0	65535	R/W
1129	AI12EV3JB1	AI12 event 3 job 1	0	65535	R/W
1130	AI13EV3JB1	AI13 event 3 job 1	0	65535	R/W
1131	AI14EV3JB1	AI14 event 3 job 1	0	65535	R/W
1132	AI15EV3JB1	AI15 event 3 job 1	0	65535	R/W
1133	AI16EV3JB1	AI16 event 3 job 1	0	65535	R/W
1134	AI17EV3JB1	AI17 event 3 job 1	0	65535	R/W
1135	AI18EV3JB1	AI18 event 3 job 1	0	65535	R/W
1136	MA1EV3JB1	Math1 event 3 job 1	0	65535	R/W
1137	MA2EV3JB1	Math2 event 3 job 1	0	65535	R/W
1138	MA3EV3JB1	Math3 event 3 job 1	0	65535	R/W
1139	MA4EV3JB1	Math4 event 3 job 1	0	65535	R/W
1140	MA5EV3JB1	Math5 event 3 job 1	0	65535	R/W
1141	MA6EV3JB1	Math6 event 3 job 1	0	65535	R/W
1142	MA7EV3JB1	Math7 event 3 job 1	0	65535	R/W
1143	MA8EV3JB1	Math8 event 3 job 1	0	65535	R/W
1144	MA9EV3JB1	Math9 event 3 job 1	0	65535	R/W
1145	MA10EV3JB1	Math10 event 3 job 1	0	65535	R/W
1146	MA11EV3JB1	Math11 event 3 job 1	0	65535	R/W
1147	MA12EV3JB1	Math12 event 3 job 1	0	65535	R/W
1148	MA13EV3JB1	Math13 event 3 job 1	0	65535	R/W
1149	MA14EV3JB1	Math14 event 3 job 1	0	65535	R/W
1150	MA15EV3JB1	Math15 event 3 job 1	0	65535	R/W
1151	MA16EV3JB1	Math16 event 3 job 1	0	65535	R/W
1152	MA17EV3JB1	Math17 event 3 job 1	0	65535	R/W
1153	MA18EV3JB1	Math18 event 3 job 1	0	65535	R/W
1154	AI1EV3PM1	AI1 event 3 job 1 parameter	0	65535	R/W
1155	AI2EV3PM1	AI2 event 3 job 1 parameter	0	65535	R/W
1156	AI3EV3PM1	AI3 event 3 job 1 parameter	0	65535	R/W
1157	AI4EV3PM1	AI4 event 3 job 1 parameter	0	65535	R/W
1158	AI5EV3PM1	AI5 event 3 job 1 parameter	0	65535	R/W
1159	AI6EV3PM1	AI6 event 3 job 1 parameter	0	65535	R/W
1160	AI7EV3PM1	AI7 event 3 job 1 parameter	0	65535	R/W
1161	AI8EV3PM1	AI8 event 3 job 1 parameter	0	65535	R/W
1162	AI9EV3PM1	AI9 event 3 job 1 parameter	0	65535	R/W
1163	AI10EV3PM1	AI10 event 3 job 1 parameter	0	65535	R/W
1164	AI11EV3PM1	AI11 event 3 job 1 parameter	0	65535	R/W
1165	AI12EV3PM1	AI12 event 3 job 1 parameter	0	65535	R/W
1166	AI13EV3PM1	AI13 event 3 job 1 parameter	0	65535	R/W
1167	AI14EV3PM1	AI14 event 3 job 1 parameter	0	65535	R/W
1168	AI15EV3PM1	AI15 event 3 job 1 parameter	0	65535	R/W
1169	AI16EV3PM1	AI16 event 3 job 1 parameter	0	65535	R/W
1170	AI17EV3PM1	AI17 event 3 job 1 parameter	0	65535	R/W
1171	AI18EV3PM1	AI18 event 3 job 1 parameter	0	65535	R/W
1172	MA1EV3PM1	Math1 event 3 job 1 parameter	0	65535	R/W

1173	MA2EV3PM1	Math2 event 3 job 1 parameter	0	65535	R/W
1174	MA3EV3PM1	Math3 event 3 job 1 parameter	0	65535	R/W
1175	MA4EV3PM1	Math4 event 3 job 1 parameter	0	65535	R/W
1176	MA5EV3PM1	Math5 event 3 job 1 parameter	0	65535	R/W
1177	MA6EV3PM1	Math6 event 3 job 1 parameter	0	65535	R/W
1178	MA7EV3PM1	Math7 event 3 job 1 parameter	0	65535	R/W
1179	MA8EV3PM1	Math8 event 3 job 1 parameter	0	65535	R/W
1180	MA9EV3PM1	Math9 event 3 job 1 parameter	0	65535	R/W
1181	MA10EV3PM1	Math10 event 3 job 1 parameter	0	65535	R/W
1182	MA11EV3PM1	Math11 event 3 job 1 parameter	0	65535	R/W
1183	MA12EV3PM1	Math12 event 3 job 1 parameter	0	65535	R/W
1184	MA13EV3PM1	Math13 event 3 job 1 parameter	0	65535	R/W
1185	MA14EV3PM1	Math14 event 3 job 1 parameter	0	65535	R/W
1186	MA15EV3PM1	Math15 event 3 job 1 parameter	0	65535	R/W
1187	MA16EV3PM1	Math16 event 3 job 1 parameter	0	65535	R/W
1188	MA17EV3PM1	Math17 event 3 job 1 parameter	0	65535	R/W
1189	MA18EV3PM1	Math18 event 3 job 1 parameter	0	65535	R/W
1190	AI1EV3JB2	AI1 event 3 job 2	0	65535	R/W
1191	AI2EV3JB2	AI2 event 3 job 2	0	65535	R/W
1192	AI3EV3JB2	AI3 event 3 job 2	0	65535	R/W
1193	AI4EV3JB2	AI4 event 3 job 2	0	65535	R/W
1194	AI5EV3JB2	AI5 event 3 job 2	0	65535	R/W
1195	AI6EV3JB2	AI6 event 3 job 2	0	65535	R/W
1196	AI7EV3JB2	AI7 event 3 job 2	0	65535	R/W
1197	AI8EV3JB2	AI8 event 3 job 2	0	65535	R/W
1198	AI9EV3JB2	AI9 event 3 job 2	0	65535	R/W
1199	AI10EV3JB2	AI10 event 3 job 2	0	65535	R/W
1200	AI11EV3JB2	AI11 event 3 job 2	0	65535	R/W
1201	AI12EV3JB2	AI12 event 3 job 2	0	65535	R/W
1202	AI13EV3JB2	AI13 event 3 job 2	0	65535	R/W
1203	AI14EV3JB2	AI14 event 3 job 2	0	65535	R/W
1204	AI15EV3JB2	AI15 event 3 job 2	0	65535	R/W
1205	AI16EV3JB2	AI16 event 3 job 2	0	65535	R/W
1206	AI17EV3JB2	AI17 event 3 job 2	0	65535	R/W
1207	AI18EV3JB2	AI18 event 3 job 2	0	65535	R/W
1208	MA1EV3JB2	Math1 event 3 job 2	0	65535	R/W
1209	MA2EV3JB2	Math2 event 3 job 2	0	65535	R/W
1210	MA3EV3JB2	Math3 event 3 job 2	0	65535	R/W
1211	MA4EV3JB2	Math4 event 3 job 2	0	65535	R/W
1212	MA5EV3JB2	Math5 event 3 job 2	0	65535	R/W
1213	MA6EV3JB2	Math6 event 3 job 2	0	65535	R/W
1214	MA7EV3JB2	Math7 event 3 job 2	0	65535	R/W
1215	MA8EV3JB2	Math8 event 3 job 2	0	65535	R/W
1216	MA9EV3JB2	Math9 event 3 job 2	0	65535	R/W
1217	MA10EV3JB2	Math10 event 3 job 2	0	65535	R/W
1218	MA11EV3JB2	Math11 event 3 job 2	0	65535	R/W
1219	MA12EV3JB2	Math12 event 3 job 2	0	65535	R/W
1220	MA13EV3JB2	Math13 event 3 job 2	0	65535	R/W
1221	MA14EV3JB2	Math14 event 3 job 2	0	65535	R/W

1222	MA15EV3JB2	Math15 event 3 job 2	0	65535	R/W
1223	MA16EV3JB2	Math16 event 3 job 2	0	65535	R/W
1224	MA17EV3JB2	Math17 event 3 job 2	0	65535	R/W
1225	MA18EV3JB2	Math18 event 3 job 2	0	65535	R/W
1226	AI1EV3PM2	AI1 event 3 job 2 parameter	0	65535	R/W
1227	AI2EV3PM2	AI2 event 3 job 2 parameter	0	65535	R/W
1228	AI3EV3PM2	AI3 event 3 job 2 parameter	0	65535	R/W
1229	AI4EV3PM2	AI4 event 3 job 2 parameter	0	65535	R/W
1230	AI5EV3PM2	AI5 event 3 job 2 parameter	0	65535	R/W
1231	AI6EV3PM2	AI6 event 3 job 2 parameter	0	65535	R/W
1232	AI7EV3PM2	AI7 event 3 job 2 parameter	0	65535	R/W
1233	AI8EV3PM2	AI8 event 3 job 2 parameter	0	65535	R/W
1234	AI9EV3PM2	AI9 event 3 job 2 parameter	0	65535	R/W
1235	AI10EV3PM2	AI10 event 3 job 2 parameter	0	65535	R/W
1236	AI11EV3PM2	AI11 event 3 job 2 parameter	0	65535	R/W
1237	AI12EV3PM2	AI12 event 3 job 2 parameter	0	65535	R/W
1238	AI13EV3PM2	AI13 event 3 job 2 parameter	0	65535	R/W
1239	AI14EV3PM2	AI14 event 3 job 2 parameter	0	65535	R/W
1240	AI15EV3PM2	AI15 event 3 job 2 parameter	0	65535	R/W
1241	AI16EV3PM2	AI16 event 3 job 2 parameter	0	65535	R/W
1242	AI17EV3PM2	AI17 event 3 job 2 parameter	0	65535	R/W
1243	AI18EV3PM2	AI18 event 3 job 2 parameter	0	65535	R/W
1244	MA1EV3PM2	Math1 event 3 job 2 parameter	0	65535	R/W
1245	MA2EV3PM2	Math2 event 3 job 2 parameter	0	65535	R/W
1246	MA3EV3PM2	Math3 event 3 job 2 parameter	0	65535	R/W
1247	MA4EV3PM2	Math4 event 3 job 2 parameter	0	65535	R/W
1248	MA5EV3PM2	Math5 event 3 job 2 parameter	0	65535	R/W
1249	MA6EV3PM2	Math6 event 3 job 2 parameter	0	65535	R/W
1250	MA7EV3PM2	Math7 event 3 job 2 parameter	0	65535	R/W
1251	MA8EV3PM2	Math8 event 3 job 2 parameter	0	65535	R/W
1252	MA9EV3PM2	Math9 event 3 job 2 parameter	0	65535	R/W
1253	MA10EV3PM2	Math10 event 3 job 2 parameter	0	65535	R/W
1254	MA11EV3PM2	Math11 event 3 job 2 parameter	0	65535	R/W
1255	MA12EV3PM2	Math12 event 3 job 2 parameter	0	65535	R/W
1256	MA13EV3PM2	Math13 event 3 job 2 parameter	0	65535	R/W
1257	MA14EV3PM2	Math14 event 3 job 2 parameter	0	65535	R/W
1258	MA15EV3PM2	Math15 event 3 job 2 parameter	0	65535	R/W
1259	MA16EV3PM2	Math16 event 3 job 2 parameter	0	65535	R/W
1260	MA17EV3PM2	Math17 event 3 job 2 parameter	0	65535	R/W
1261	MA18EV3PM2	Math18 event 3 job 2 parameter	0	65535	R/W
1262	AI1EV4TP	AI1 event 4 type	0	65535	R/W
1263	AI2EV4TP	AI2 event 4 type	0	65535	R/W
1264	AI3EV4TP	AI3 event 4 type	0	65535	R/W
1265	AI4EV4TP	AI4 event 4 type	0	65535	R/W
1266	AI5EV4TP	AI5 event 4 type	0	65535	R/W
1267	AI6EV4TP	AI6 event 4 type	0	65535	R/W
1268	AI7EV4TP	AI7 event 4 type	0	65535	R/W
1269	AI8EV4TP	AI8 event 4 type	0	65535	R/W
1270	AI9EV4TP	AI9 event 4 type	0	65535	R/W

1271	AI10EV4TP	AI10 event 4 type	0	65535	R/W
1272	AI11EV4TP	AI11 event 4 type	0	65535	R/W
1273	AI12EV4TP	AI12 event 4 type	0	65535	R/W
1274	AI13EV4TP	AI13 event 4 type	0	65535	R/W
1275	AI14EV4TP	AI14 event 4 type	0	65535	R/W
1276	AI15EV4TP	AI15 event 4 type	0	65535	R/W
1277	AI16EV4TP	AI16 event 4 type	0	65535	R/W
1278	AI17EV4TP	AI17 event 4 type	0	65535	R/W
1279	AI18EV4TP	AI18 event 4 type	0	65535	R/W
1280	MA1EV4TP	Math1 event 4 type	0	65535	R/W
1281	MA2EV4TP	Math2 event 4 type	0	65535	R/W
1282	MA3EV4TP	Math3 event 4 type	0	65535	R/W
1283	MA4EV4TP	Math4 event 4 type	0	65535	R/W
1284	MA5EV4TP	Math5 event 4 type	0	65535	R/W
1285	MA6EV4TP	Math6 event 4 type	0	65535	R/W
1286	MA7EV4TP	Math7 event 4 type	0	65535	R/W
1287	MA8EV4TP	Math8 event 4 type	0	65535	R/W
1288	MA9EV4TP	Math9 event 4 type	0	65535	R/W
1289	MA10EV4TP	Math10 event 4 type	0	65535	R/W
1290	MA11EV4TP	Math11 event 4 type	0	65535	R/W
1291	MA12EV4TP	Math12 event 4 type	0	65535	R/W
1292	MA13EV4TP	Math13 event 4 type	0	65535	R/W
1293	MA14EV4TP	Math14 event 4 type	0	65535	R/W
1294	MA15EV4TP	Math15 event 4 type	0	65535	R/W
1295	MA16EV4TP	Math16 event 4 type	0	65535	R/W
1296	MA17EV4TP	Math17 event 4 type	0	65535	R/W
1297	MA18EV4TP	Math18 event 4 type	0	65535	R/W
1298	AI1EV4SP	AI1 event 4 set point	*1	*1	R/W
1299	AI2EV4SP	AI2 event 4 set point	*1	*1	R/W
1300	AI3EV4SP	AI3 event 4 set point	*1	*1	R/W
1301	AI4EV4SP	AI4 event 4 set point	*1	*1	R/W
1302	AI5EV4SP	AI5 event 4 set point	*1	*1	R/W
1303	AI6EV4SP	AI6 event 4 set point	*1	*1	R/W
1304	AI7EV4SP	AI7 event 4 set point	*1	*1	R/W
1305	AI8EV4SP	AI8 event 4 set point	*1	*1	R/W
1306	AI9EV4SP	AI9 event 4 set point	*1	*1	R/W
1307	AI10EV4SP	AI10 event 4 set point	*1	*1	R/W
1308	AI11EV4SP	AI11 event 4 set point	*1	*1	R/W
1309	AI12EV4SP	AI12 event 4 set point	*1	*1	R/W
1310	AI13EV4SP	AI13 event 4 set point	*1	*1	R/W
1311	AI14EV4SP	AI14 event 4 set point	*1	*1	R/W
1312	AI15EV4SP	AI15 event 4 set point	*1	*1	R/W
1313	AI16EV4SP	AI16 event 4 set point	*1	*1	R/W
1314	AI17EV4SP	AI17 event 4 set point	*1	*1	R/W
1315	AI18EV4SP	AI18 event 4 set point	*1	*1	R/W
1316	MA1EV4SP	Math1 event 4 set point	*2	*2	R/W
1317	MA2EV4SP	Math2 event 4 set point	*2	*2	R/W
1318	MA3EV4SP	Math3 event 4 set point	*2	*2	R/W
1319	MA4EV4SP	Math4 event 4 set point	*2	*2	R/W

29

1320	MA5EV4SP	Math5 event 4 set point	*2	*2	R/W
1321	MA6EV4SP	Math6 event 4 set point	*2	*2	R/W
1322	MA7EV4SP	Math7 event 4 set point	*2	*2	R/W
1323	MA8EV4SP	Math8 event 4 set point	*2	*2	R/W
1324	MA9EV4SP	Math9 event 4 set point	*2	*2	R/W
1325	MA10EV4SP	Math10 event 4 set point	*2	*2	R/W
1326	MA11EV4SP	Math11 event 4 set point	*2	*2	R/W
1327	MA12EV4SP	Math12 event 4 set point	*2	*2	R/W
1328	MA13EV4SP	Math13 event 4 set point	*2	*2	R/W
1329	MA14EV4SP	Math14 event 4 set point	*2	*2	R/W
1330	MA15EV4SP	Math15 event 4 set point	*2	*2	R/W
1331	MA16EV4SP	Math16 event 4 set point	*2	*2	R/W
1332	MA17EV4SP	Math17 event 4 set point	*2	*2	R/W
1333	MA18EV4SP	Math18 event 4 set point	*2	*2	R/W
1334	AI1EV4RT	AI1 event 4 rate of change time	0	65535	R/W
1335	AI2EV4RT	AI2 event 4 rate of change time	0	65535	R/W
1336	AI3EV4RT	AI3 event 4 rate of change time	0	65535	R/W
1337	AI4EV4RT	AI4 event 4 rate of change time	0	65535	R/W
1338	AI5EV4RT	AI5 event 4 rate of change time	0	65535	R/W
1339	AI6EV4RT	AI6 event 4 rate of change time	0	65535	R/W
1340	AI7EV4RT	AI7 event 4 rate of change time	0	65535	R/W
1341	AI8EV4RT	AI8 event 4 rate of change time	0	65535	R/W
1342	AI9EV4RT	AI9 event 4 rate of change time	0	65535	R/W
1343	AI10EV4RT	AI10 event 4 rate of change time	0	65535	R/W
1344	AI11EV4RT	AI11 event 4 rate of change time	0	65535	R/W
1345	AI12EV4RT	AI12 event 4 rate of change time	0	65535	R/W
1346	AI13EV4RT	AI13 event 4 rate of change time	0	65535	R/W
1347	AI14EV4RT	AI14 event 4 rate of change time	0	65535	R/W
1348	AI15EV4RT	AI15 event 4 rate of change time	0	65535	R/W
1349	AI16EV4RT	AI16 event 4 rate of change time	0	65535	R/W
1350	AI17EV4RT	AI17 event 4 rate of change time	0	65535	R/W
1351	AI18EV4RT	AI18 event 4 rate of change time	0	65535	R/W
1352	MA1EV4RT	Math1 event 4 rate of change time	0	65535	R/W
1353	MA2EV4RT	Math2 event 4 rate of change time	0	65535	R/W
1354	MA3EV4RT	Math3 event 4 rate of change time	0	65535	R/W
1355	MA4EV4RT	Math4 event 4 rate of change time	0	65535	R/W
1356	MA5EV4RT	Math5 event 4 rate of change time	0	65535	R/W
1357	MA6EV4RT	Math6 event 4 rate of change time	0	65535	R/W
1358	MA7EV4RT	Math7 event 4 rate of change time	0	65535	R/W
1359	MA8EV4RT	Math8 event 4 rate of change time	0	65535	R/W
1360	MA9EV4RT	Math9 event 4 rate of change time	0	65535	R/W
1361	MA10EV4RT	Math10 event 4 rate of change time	0	65535	R/W
1362	MA11EV4RT	Math11 event 4 rate of change time	0	65535	R/W
1363	MA12EV4RT	Math12 event 4 rate of change time	0	65535	R/W
1364	MA13EV4RT	Math13 event 4 rate of change time	0	65535	R/W
1365	MA14EV4RT	Math14 event 4 rate of change time	0	65535	R/W
1366	MA15EV4RT	Math15 event 4 rate of change time	0	65535	R/W
1367	MA16EV4RT	Math16 event 4 rate of change time	0	65535	R/W
1368	MA17EV4RT	Math17 event 4 rate of change time	0	65535	R/W

1369	MA18EV4RT	Math18 event 4 rate of change time	0	65535	R/W
1370	AI1EV4JB1	AI1 event 4 job 1	0	65535	R/W
1371	AI2EV4JB1	AI2 event 4 job 1	0	65535	R/W
1372	AI3EV4JB1	AI3 event 4 job 1	0	65535	R/W
1373	AI4EV4JB1	AI4 event 4 job 1	0	65535	R/W
1374	AI5EV4JB1	AI5 event 4 job 1	0	65535	R/W
1375	AI6EV4JB1	AI6 event 4 job 1	0	65535	R/W
1376	AI7EV4JB1	AI7 event 4 job 1	0	65535	R/W
1377	AI8EV4JB1	AI8 event 4 job 1	0	65535	R/W
1378	AI9EV4JB1	AI9 event 4 job 1	0	65535	R/W
1379	AI10EV4JB1	AI10 event 4 job 1	0	65535	R/W
1380	AI11EV4JB1	AI11 event 4 job 1	0	65535	R/W
1381	AI12EV4JB1	AI12 event 4 job 1	0	65535	R/W
1382	AI13EV4JB1	AI13 event 4 job 1	0	65535	R/W
1383	AI14EV4JB1	AI14 event 4 job 1	0	65535	R/W
1384	AI15EV4JB1	AI15 event 4 job 1	0	65535	R/W
1385	AI16EV4JB1	AI16 event 4 job 1	0	65535	R/W
1386	AI17EV4JB1	AI17 event 4 job 1	0	65535	R/W
1387	AI18EV4JB1	AI18 event 4 job 1	0	65535	R/W
1388	MA1EV4JB1	Math1 event 4 job 1	0	65535	R/W
1389	MA2EV4JB1	Math2 event 4 job 1	0	65535	R/W
1390	MA3EV4JB1	Math3 event 4 job 1	0	65535	R/W
1391	MA4EV4JB1	Math4 event 4 job 1	0	65535	R/W
1392	MA5EV4JB1	Math5 event 4 job 1	0	65535	R/W
1393	MA6EV4JB1	Math6 event 4 job 1	0	65535	R/W
1394	MA7EV4JB1	Math7 event 4 job 1	0	65535	R/W
1395	MA8EV4JB1	Math8 event 4 job 1	0	65535	R/W
1396	MA9EV4JB1	Math9 event 4 job 1	0	65535	R/W
1397	MA10EV4JB1	Math10 event 4 job 1	0	65535	R/W
1398	MA11EV4JB1	Math11 event 4 job 1	0	65535	R/W
1399	MA12EV4JB1	Math12 event 4 job 1	0	65535	R/W
1400	MA13EV4JB1	Math13 event 4 job 1	0	65535	R/W
1401	MA14EV4JB1	Math14 event 4 job 1	0	65535	R/W
1402	MA15EV4JB1	Math15 event 4 job 1	0	65535	R/W
1403	MA16EV4JB1	Math16 event 4 job 1	0	65535	R/W
1404	MA17EV4JB1	Math17 event 4 job 1	0	65535	R/W
1405	MA18EV4JB1	Math18 event 4 job 1	0	65535	R/W
1406	AI1EV4PM1	AI1 event 4 job 1 parameter	0	65535	R/W
1407	AI2EV4PM1	AI2 event 4 job 1 parameter	0	65535	R/W
1408	AI3EV4PM1	AI3 event 4 job 1 parameter	0	65535	R/W
1409	AI4EV4PM1	AI4 event 4 job 1 parameter	0	65535	R/W
1410	AI5EV4PM1	AI5 event 4 job 1 parameter	0	65535	R/W
1411	AI6EV4PM1	AI6 event 4 job 1 parameter	0	65535	R/W
1412	AI7EV4PM1	AI7 event 4 job 1 parameter	0	65535	R/W
1413	AI8EV4PM1	AI8 event 4 job 1 parameter	0	65535	R/W
1414	AI9EV4PM1	AI9 event 4 job 1 parameter	0	65535	R/W
1415	AI10EV4PM1	AI10 event 4 job 1 parameter	0	65535	R/W
1416	AI11EV4PM1	AI11 event 4 job 1 parameter	0	65535	R/W
1417	AI12EV4PM1	AI12 event 4 job 1 parameter	0	65535	R/W

31

1418	AI13EV4PM1	AI13 event 4 job 1 parameter	0	65535	R/W
1419	AI14EV4PM1	AI14 event 4 job 1 parameter	0	65535	R/W
1420	AI15EV4PM1	AI15 event 4 job 1 parameter	0	65535	R/W
1421	AI16EV4PM1	AI16 event 4 job 1 parameter	0	65535	R/W
1422	AI17EV4PM1	AI17 event 4 job 1 parameter	0	65535	R/W
1423	AI18EV4PM1	AI18 event 4 job 1 parameter	0	65535	R/W
1424	MA1EV4PM1	Math1 event 4 job 1 parameter	0	65535	R/W
1425	MA2EV4PM1	Math2 event 4 job 1 parameter	0	65535	R/W
1426	MA3EV4PM1	Math3 event 4 job 1 parameter	0	65535	R/W
1427	MA4EV4PM1	Math4 event 4 job 1 parameter	0	65535	R/W
1428	MA5EV4PM1	Math5 event 4 job 1 parameter	0	65535	R/W
1429	MA6EV4PM1	Math6 event 4 job 1 parameter	0	65535	R/W
1430	MA7EV4PM1	Math7 event 4 job 1 parameter	0	65535	R/W
1431	MA8EV4PM1	Math8 event 4 job 1 parameter	0	65535	R/W
1432	MA9EV4PM1	Math9 event 4 job 1 parameter	0	65535	R/W
1433	MA10EV4PM1	Math10 event 4 job 1 parameter	0	65535	R/W
1434	MA11EV4PM1	Math11 event 4 job 1 parameter	0	65535	R/W
1435	MA12EV4PM1	Math12 event 4 job 1 parameter	0	65535	R/W
1436	MA13EV4PM1	Math13 event 4 job 1 parameter	0	65535	R/W
1437	MA14EV4PM1	Math14 event 4 job 1 parameter	0	65535	R/W
1438	MA15EV4PM1	Math15 event 4 job 1 parameter	0	65535	R/W
1439	MA16EV4PM1	Math16 event 4 job 1 parameter	0	65535	R/W
1440	MA17EV4PM1	Math17 event 4 job 1 parameter	0	65535	R/W
1441	MA18EV4PM1	Math18 event 4 job 1 parameter	0	65535	R/W
1442	AI1EV4JB2	AI1 event 4 job 2	0	65535	R/W
1443	AI2EV4JB2	AI2 event 4 job 2	0	65535	R/W
1444	AI3EV4JB2	AI3 event 4 job 2	0	65535	R/W
1445	AI4EV4JB2	AI4 event 4 job 2	0	65535	R/W
1446	AI5EV4JB2	AI5 event 4 job 2	0	65535	R/W
1447	AI6EV4JB2	AI6 event 4 job 2	0	65535	R/W
1448	AI7EV4JB2	AI7 event 4 job 2	0	65535	R/W
1449	AI8EV4JB2	AI8 event 4 job 2	0	65535	R/W
1450	AI9EV4JB2	AI9 event 4 job 2	0	65535	R/W
1451	AI10EV4JB2	AI10 event 4 job 2	0	65535	R/W
1452	AI11EV4JB2	AI11 event 4 job 2	0	65535	R/W
1453	AI12EV4JB2	AI12 event 4 job 2	0	65535	R/W
1454	AI13EV4JB2	AI13 event 4 job 2	0	65535	R/W
1455	AI14EV4JB2	AI14 event 4 job 2	0	65535	R/W
1456	AI15EV4JB2	AI15 event 4 job 2	0	65535	R/W
1457	AI16EV4JB2	AI16 event 4 job 2	0	65535	R/W
1458	AI17EV4JB2	AI17 event 4 job 2	0	65535	R/W
1459	AI18EV4JB2	AI18 event 4 job 2	0	65535	R/W
1460	MA1EV4JB2	Math1 event 4 job 2	0	65535	R/W
1461	MA2EV4JB2	Math2 event 4 job 2	0	65535	R/W
1462	MA3EV4JB2	Math3 event 4 job 2	0	65535	R/W
1463	MA4EV4JB2	Math4 event 4 job 2	0	65535	R/W
1464	MA5EV4JB2	Math5 event 4 job 2	0	65535	R/W
1465	MA6EV4JB2	Math6 event 4 job 2	0	65535	R/W
1466	MA7EV4JB2	Math7 event 4 job 2	0	65535	R/W

1467	MA8EV4JB2	Math8 event 4 job 2	0	65535	R/W
1468	MA9EV4JB2	Math9 event 4 job 2	0	65535	R/W
1469	MA10EV4JB2	Math10 event 4 job 2	0	65535	R/W
1470	MA11EV4JB2	Math11 event 4 job 2	0	65535	R/W
1471	MA12EV4JB2	Math12 event 4 job 2	0	65535	R/W
1472	MA13EV4JB2	Math13 event 4 job 2	0	65535	R/W
1473	MA14EV4JB2	Math14 event 4 job 2	0	65535	R/W
1474	MA15EV4JB2	Math15 event 4 job 2	0	65535	R/W
1475	MA16EV4JB2	Math16 event 4 job 2	0	65535	R/W
1476	MA17EV4JB2	Math17 event 4 job 2	0	65535	R/W
1477	MA18EV4JB2	Math18 event 4 job 2	0	65535	R/W
1478	AI1EV4PM2	AI1 event 4 job 2 parameter	0	65535	R/W
1479	AI2EV4PM2	AI2 event 4 job 2 parameter	0	65535	R/W
1480	AI3EV4PM2	AI3 event 4 job 2 parameter	0	65535	R/W
1481	AI4EV4PM2	AI4 event 4 job 2 parameter	0	65535	R/W
1482	AI5EV4PM2	AI5 event 4 job 2 parameter	0	65535	R/W
1483	AI6EV4PM2	AI6 event 4 job 2 parameter	0	65535	R/W
1484	AI7EV4PM2	AI7 event 4 job 2 parameter	0	65535	R/W
1485	AI8EV4PM2	AI8 event 4 job 2 parameter	0	65535	R/W
1486	AI9EV4PM2	AI9 event 4 job 2 parameter	0	65535	R/W
1487	AI10EV4PM2	AI10 event 4 job 2 parameter	0	65535	R/W
1488	AI11EV4PM2	AI11 event 4 job 2 parameter	0	65535	R/W
1489	AI12EV4PM2	AI12 event 4 job 2 parameter	0	65535	R/W
1490	AI13EV4PM2	AI13 event 4 job 2 parameter	0	65535	R/W
1491	AI14EV4PM2	AI14 event 4 job 2 parameter	0	65535	R/W
1492	AI15EV4PM2	AI15 event 4 job 2 parameter	0	65535	R/W
1493	AI16EV4PM2	AI16 event 4 job 2 parameter	0	65535	R/W
1494	AI17EV4PM2	AI17 event 4 job 2 parameter	0	65535	R/W
1495	AI18EV4PM2	AI18 event 4 job 2 parameter	0	65535	R/W
1496	MA1EV4PM2	Math1 event 4 job 2 parameter	0	65535	R/W
1497	MA2EV4PM2	Math2 event 4 job 2 parameter	0	65535	R/W
1498	MA3EV4PM2	Math3 event 4 job 2 parameter	0	65535	R/W
1499	MA4EV4PM2	Math4 event 4 job 2 parameter	0	65535	R/W
1500	MA5EV4PM2	Math5 event 4 job 2 parameter	0	65535	R/W
1501	MA6EV4PM2	Math6 event 4 job 2 parameter	0	65535	R/W
1502	MA7EV4PM2	Math7 event 4 job 2 parameter	0	65535	R/W
1503	MA8EV4PM2	Math8 event 4 job 2 parameter	0	65535	R/W
1504	MA9EV4PM2	Math9 event 4 job 2 parameter	0	65535	R/W
1505	MA10EV4PM2	Math10 event 4 job 2 parameter	0	65535	R/W
1506	MA11EV4PM2	Math11 event 4 job 2 parameter	0	65535	R/W
1507	MA12EV4PM2	Math12 event 4 job 2 parameter	0	65535	R/W
1508	MA13EV4PM2	Math13 event 4 job 2 parameter	0	65535	R/W
1509	MA14EV4PM2	Math14 event 4 job 2 parameter	0	65535	R/W
1510	MA15EV4PM2	Math15 event 4 job 2 parameter	0	65535	R/W
1511	MA16EV4PM2	Math16 event 4 job 2 parameter	0	65535	R/W
1512	MA17EV4PM2	Math17 event 4 job 2 parameter	0	65535	R/W
1513	MA18EV4PM2	Math18 event 4 job 2 parameter	0	65535	R/W
1514	PG1MD	Page 1 mode	0	65535	R/W
1515	PG2MD	Page 2 mode	0	65535	R/W

1516	PG3MD	Page 3 mode	0	65535	R/W
1517	PG4MD	Page 4 mode	0	65535	R/W
1518	PG5MD	Page 5 mode	0	65535	R/W
1519	PG6MD	Page 6 mode	0	65535	R/W
1520	PG1DT	Page 1 trend direction	0	65535	R/W
1521	PG2DT	Page 2 trend direction	0	65535	R/W
1522	PG3DT	Page 3 trend direction	0	65535	R/W
1523	PG4DT	Page 4 trend direction	0	65535	R/W
1524	PG5DT	Page 5 trend direction	0	65535	R/W
1525	PG6DT	Page 6 trend direction	0	65535	R/W
1526	PG1BG	Page 1 trend background color	0	65535	R/W
1527	PG2BG	Page 2 trend background color	0	65535	R/W
1528	PG3BG	Page 3 trend background color	0	65535	R/W
1529	PG4BG	Page 4 trend background color	0	65535	R/W
1530	PG5BG	Page 5 trend background color	0	65535	R/W
1531	PG6BG	Page 6 trend background color	0	65535	R/W
1532	PG1DI	Page 1 DI status bar	0	65535	R/W
1533	PG2DI	Page 2 DI status bar	0	65535	R/W
1534	PG3DI	Page 3 DI status bar	0	65535	R/W
1535	PG4DI	Page 4 DI status bar	0	65535	R/W
1536	PG5DI	Page 5 DI status bar	0	65535	R/W
1537	PG6DI	Page 6 DI status bar	0	65535	R/W
1538	PG1DO	Page 1 DO status bar	0	65535	R/W
1539	PG2DO	Page 2 DO status bar	0	65535	R/W
1540	PG3DO	Page 3 DO status bar	0	65535	R/W
1541	PG4DO	Page 4 DO status bar	0	65535	R/W
1542	PG5DO	Page 5 DO status bar	0	65535	R/W
1543	PG6DO	Page 6 DO status bar	0	65535	R/W
1544	PG1TZ	Page 1 totalizer status bar	0	65535	R/W
1545	PG2TZ	Page 2 totalizer status bar	0	65535	R/W
1546	PG3TZ	Page 3 totalizer status bar	0	65535	R/W
1547	PG4TZ	Page 4 totalizer status bar	0	65535	R/W
1548	PG5TZ	Page 5 totalizer status bar	0	65535	R/W
1549	PG6TZ	Page 6 totalizer status bar	0	65535	R/W
1550	PG1CT	Page 1 counter status bar	0	65535	R/W
1551	PG2CT	Page 2 counter status bar	0	65535	R/W
1552	PG3CT	Page 3 counter status bar	0	65535	R/W
1553	PG4CT	Page 4 counter status bar	0	65535	R/W
1554	PG5CT	Page 5 counter status bar	0	65535	R/W
1555	PG6CT	Page 6 counter status bar	0	65535	R/W
1556	PG1PN1CH	Page 1 pen 1 channel	0	65535	R/W
1557	PG2PN1CH	Page 2 pen 1 channel	0	65535	R/W
1558	PG3PN1CH	Page 3 pen 1 channel	0	65535	R/W
1559	PG4PN1CH	Page 4 pen 1 channel	0	65535	R/W
1560	PG5PN1CH	Page 5 pen 1 channel	0	65535	R/W
1561	PG6PN1CH	Page 6 pen 1 channel	0	65535	R/W
1562	PG1PN1CR	Page 1 pen 1 color	0	65535	R/W
1563	PG2PN1CR	Page 2 pen 1 color	0	65535	R/W
1564	PG3PN1CR	Page 3 pen 1 color	0	65535	R/W

1565	PG4PN1CR	Page 4 pen 1 color	0	65535	R/W
1566	PG5PN1CR	Page 5 pen 1 color	0	65535	R/W
1567	PG6PN1CR	Page 6 pen 1 color	0	65535	R/W
1568	PG1PN1WT	Page 1 pen 1 width	0	65535	R/W
1569	PG2PN1WT	Page 2 pen 1 width	0	65535	R/W
1570	PG3PN1WT	Page 3 pen 1 width	0	65535	R/W
1571	PG4PN1WT	Page 4 pen 1 width	0	65535	R/W
1572	PG5PN1WT	Page 5 pen 1 width	0	65535	R/W
1573	PG6PN1WT	Page 6 pen 1 width	0	65535	R/W
1574	PG1PN1LO	Page 1 pen 1 display rang low	*3	*3	R/W
1575	PG2PN1LO	Page 2 pen 1 display rang low	*3	*3	R/W
1576	PG3PN1LO	Page 3 pen 1 display rang low	*3	*3	R/W
1577	PG4PN1LO	Page 4 pen 1 display rang low	*3	*3	R/W
1578	PG5PN1LO	Page 5 pen 1 display rang low	*3	*3	R/W
1579	PG6PN1LO	Page 6 pen 1 display rang low	*3	*3	R/W
1580	PG1PN1HI	Page 1 pen 1 display rang high	*3	*3	R/W
1581	PG2PN1HI	Page 2 pen 1 display rang high	*3	*3	R/W
1582	PG3PN1HI	Page 3 pen 1 display rang high	*3	*3	R/W
1583	PG4PN1HI	Page 4 pen 1 display rang high	*3	*3	R/W
1584	PG5PN1HI	Page 5 pen 1 display rang high	*3	*3	R/W
1585	PG6PN1HI	Page 6 pen 1 display rang high	*3	*3	R/W
1586	PG1PN2CH	Page 1 pen 2 channel	0	65535	R/W
1587	PG2PN2CH	Page 2 pen 2 channel	0	65535	R/W
1588	PG3PN2CH	Page 3 pen 2 channel	0	65535	R/W
1589	PG4PN2CH	Page 4 pen 2 channel	0	65535	R/W
1590	PG5PN2CH	Page 5 pen 2 channel	0	65535	R/W
1591	PG6PN2CH	Page 6 pen 2 channel	0	65535	R/W
1592	PG1PN2CR	Page 1 pen 2 color	0	65535	R/W
1593	PG2PN2CR	Page 2 pen 2 color	0	65535	R/W
1594	PG3PN2CR	Page 3 pen 2 color	0	65535	R/W
1595	PG4PN2CR	Page 4 pen 2 color	0	65535	R/W
1596	PG5PN2CR	Page 5 pen 2 color	0	65535	R/W
1597	PG6PN2CR	Page 6 pen 2 color	0	65535	R/W
1598	PG1PN2WT	Page 1 pen 2 width	0	65535	R/W
1599	PG2PN2WT	Page 2 pen 2 width	0	65535	R/W
1600	PG3PN2WT	Page 3 pen 2 width	0	65535	R/W
1601	PG4PN2WT	Page 4 pen 2 width	0	65535	R/W
1602	PG5PN2WT	Page 5 pen 2 width	0	65535	R/W
1603	PG6PN2WT	Page 6 pen 2 width	0	65535	R/W
1604	PG1PN2LO	Page 1 pen 2 display rang low	*3	*3	R/W
1605	PG2PN2LO	Page 2 pen 2 display rang low	*3	*3	R/W
1606	PG3PN2LO	Page 3 pen 2 display rang low	*3	*3	R/W
1607	PG4PN2LO	Page 4 pen 2 display rang low	*3	*3	R/W
1608	PG5PN2LO	Page 5 pen 2 display rang low	*3	*3	R/W
1609	PG6PN2LO	Page 6 pen 2 display rang low	*3	*3	R/W
1610	PG1PN2HI	Page 1 pen 2 display rang high	*3	*3	R/W
1611	PG2PN2HI	Page 2 pen 2 display rang high	*3	*3	R/W
1612	PG3PN2HI	Page 3 pen 2 display rang high	*3	*3	R/W
1613	PG4PN2HI	Page 4 pen 2 display rang high	*3	*3	R/W

1614	PG5PN2HI	Page 5 pen 2 display rang high	*3	*3	R/W
1615	PG6PN2HI	Page 6 pen 2 display rang high	*3	*3	R/W
1616	PG1PN3CH	Page 1 pen 3 channel	0	65535	R/W
1617	PG2PN3CH	Page 2 pen 3 channel	0	65535	R/W
1618	PG3PN3CH	Page 3 pen 3 channel	0	65535	R/W
1619	PG4PN3CH	Page 4 pen 3 channel	0	65535	R/W
1620	PG5PN3CH	Page 5 pen 3 channel	0	65535	R/W
1621	PG6PN3CH	Page 6 pen 3 channel	0	65535	R/W
1622	PG1PN3CR	Page 1 pen 3 color	0	65535	R/W
1623	PG2PN3CR	Page 2 pen 3 color	0	65535	R/W
1624	PG3PN3CR	Page 3 pen 3 color	0	65535	R/W
1625	PG4PN3CR	Page 4 pen 3 color	0	65535	R/W
1626	PG5PN3CR	Page 5 pen 3 color	0	65535	R/W
1627	PG6PN3CR	Page 6 pen 3 color	0	65535	R/W
1628	PG1PN3WT	Page 1 pen 3 width	0	65535	R/W
1629	PG2PN3WT	Page 2 pen 3 width	0	65535	R/W
1630	PG3PN3WT	Page 3 pen 3 width	0	65535	R/W
1631	PG4PN3WT	Page 4 pen 3 width	0	65535	R/W
1632	PG5PN3WT	Page 5 pen 3 width	0	65535	R/W
1633	PG6PN3WT	Page 6 pen 3 width	0	65535	R/W
1634	PG1PN3LO	Page 1 pen 3 display rang low	*3	*3	R/W
1635	PG2PN3LO	Page 2 pen 3 display rang low	*3	*3	R/W
1636	PG3PN3LO	Page 3 pen 3 display rang low	*3	*3	R/W
1637	PG4PN3LO	Page 4 pen 3 display rang low	*3	*3	R/W
1638	PG5PN3LO	Page 5 pen 3 display rang low	*3	*3	R/W
1639	PG6PN3LO	Page 6 pen 3 display rang low	*3	*3	R/W
1640	PG1PN3HI	Page 1 pen 3 display rang high	*3	*3	R/W
1641	PG2PN3HI	Page 2 pen 3 display rang high	*3	*3	R/W
1642	PG3PN3HI	Page 3 pen 3 display rang high	*3	*3	R/W
1643	PG4PN3HI	Page 4 pen 3 display rang high	*3	*3	R/W
1644	PG5PN3HI	Page 5 pen 3 display rang high	*3	*3	R/W
1645	PG6PN3HI	Page 6 pen 3 display rang high	*3	*3	R/W
1646	PG1PN4CH	Page 1 pen 4 channel	0	65535	R/W
1647	PG2PN4CH	Page 2 pen 4 channel	0	65535	R/W
1648	PG3PN4CH	Page 3 pen 4 channel	0	65535	R/W
1649	PG4PN4CH	Page 4 pen 4 channel	0	65535	R/W
1650	PG5PN4CH	Page 5 pen 4 channel	0	65535	R/W
1651	PG6PN4CH	Page 6 pen 4 channel	0	65535	R/W
1652	PG1PN4CR	Page 1 pen 4 color	0	65535	R/W
1653	PG2PN4CR	Page 2 pen 4 color	0	65535	R/W
1654	PG3PN4CR	Page 3 pen 4 color	0	65535	R/W
1655	PG4PN4CR	Page 4 pen 4 color	0	65535	R/W
1656	PG5PN4CR	Page 5 pen 4 color	0	65535	R/W
1657	PG6PN4CR	Page 6 pen 4 color	0	65535	R/W
1658	PG1PN4WT	Page 1 pen 4 width	0	65535	R/W
1659	PG2PN4WT	Page 2 pen 4 width	0	65535	R/W
1660	PG3PN4WT	Page 3 pen 4 width	0	65535	R/W
1661	PG4PN4WT	Page 4 pen 4 width	0	65535	R/W
1662	PG5PN4WT	Page 5 pen 4 width	0	65535	R/W

1663	PG6PN4WT	Page 6 pen 4 width	0	65535	R/W
1664	PG1PN4LO	Page 1 pen 4 display rang low	*3	*3	R/W
1665	PG2PN4LO	Page 2 pen 4 display rang low	*3	*3	R/W
1666	PG3PN4LO	Page 3 pen 4 display rang low	*3	*3	R/W
1667	PG4PN4LO	Page 4 pen 4 display rang low	*3	*3	R/W
1668	PG5PN4LO	Page 5 pen 4 display rang low	*3	*3	R/W
1669	PG6PN4LO	Page 6 pen 4 display rang low	*3	*3	R/W
1670	PG1PN4HI	Page 1 pen 4 display rang high	*3	*3	R/W
1671	PG2PN4HI	Page 2 pen 4 display rang high	*3	*3	R/W
1672	PG3PN4HI	Page 3 pen 4 display rang high	*3	*3	R/W
1673	PG4PN4HI	Page 4 pen 4 display rang high	*3	*3	R/W
1674	PG5PN4HI	Page 5 pen 4 display rang high	*3	*3	R/W
1675	PG6PN4HI	Page 6 pen 4 display rang high	*3	*3	R/W
1676	PG1PN5CH	Page 1 pen 5 channel	0	65535	R/W
1677	PG2PN5CH	Page 2 pen 5 channel	0	65535	R/W
1678	PG3PN5CH	Page 3 pen 5 channel	0	65535	R/W
1679	PG4PN5CH	Page 4 pen 5 channel	0	65535	R/W
1680	PG5PN5CH	Page 5 pen 5 channel	0	65535	R/W
1681	PG6PN5CH	Page 6 pen 5 channel	0	65535	R/W
1682	PG1PN5CR	Page 1 pen 5 color	0	65535	R/W
1683	PG2PN5CR	Page 2 pen 5 color	0	65535	R/W
1684	PG3PN5CR	Page 3 pen 5 color	0	65535	R/W
1685	PG4PN5CR	Page 4 pen 5 color	0	65535	R/W
1686	PG5PN5CR	Page 5 pen 5 color	0	65535	R/W
1687	PG6PN5CR	Page 6 pen 5 color	0	65535	R/W
1688	PG1PN5WT	Page 1 pen 5 width	0	65535	R/W
1689	PG2PN5WT	Page 2 pen 5 width	0	65535	R/W
1690	PG3PN5WT	Page 3 pen 5 width	0	65535	R/W
1691	PG4PN5WT	Page 4 pen 5 width	0	65535	R/W
1692	PG5PN5WT	Page 5 pen 5 width	0	65535	R/W
1693	PG6PN5WT	Page 6 pen 5 width	0	65535	R/W
1694	PG1PN5LO	Page 1 pen 5 display rang low	*3	*3	R/W
1695	PG2PN5LO	Page 2 pen 5 display rang low	*3	*3	R/W
1696	PG3PN5LO	Page 3 pen 5 display rang low	*3	*3	R/W
1697	PG4PN5LO	Page 4 pen 5 display rang low	*3	*3	R/W
1698	PG5PN5LO	Page 5 pen 5 display rang low	*3	*3	R/W
1699	PG6PN5LO	Page 6 pen 5 display rang low	*3	*3	R/W
1700	PG1PN5HI	Page 1 pen 5 display rang high	*3	*3	R/W
1701	PG2PN5HI	Page 2 pen 5 display rang high	*3	*3	R/W
1702	PG3PN5HI	Page 3 pen 5 display rang high	*3	*3	R/W
1703	PG4PN5HI	Page 4 pen 5 display rang high	*3	*3	R/W
1704	PG5PN5HI	Page 5 pen 5 display rang high	*3	*3	R/W
1705	PG6PN5HI	Page 6 pen 5 display rang high	*3	*3	R/W
1706	PG1PN6CH	Page 1 pen 6 channel	0	65535	R/W
1707	PG2PN6CH	Page 2 pen 6 channel	0	65535	R/W
1708	PG3PN6CH	Page 3 pen 6 channel	0	65535	R/W
1709	PG4PN6CH	Page 4 pen 6 channel	0	65535	R/W
1710	PG5PN6CH	Page 5 pen 6 channel	0	65535	R/W
1711	PG6PN6CH	Page 6 pen 6 channel	0	65535	R/W

1712	PG1PN6CR	Page 1 pen 6 color	0	65535	R/W
1713	PG2PN6CR	Page 2 pen 6 color	0	65535	R/W
1714	PG3PN6CR	Page 3 pen 6 color	0	65535	R/W
1715	PG4PN6CR	Page 4 pen 6 color	0	65535	R/W
1716	PG5PN6CR	Page 5 pen 6 color	0	65535	R/W
1717	PG6PN6CR	Page 6 pen 6 color	0	65535	R/W
1718	PG1PN6WT	Page 1 pen 6 width	0	65535	R/W
1719	PG2PN6WT	Page 2 pen 6 width	0	65535	R/W
1720	PG3PN6WT	Page 3 pen 6 width	0	65535	R/W
1721	PG4PN6WT	Page 4 pen 6 width	0	65535	R/W
1722	PG5PN6WT	Page 5 pen 6 width	0	65535	R/W
1723	PG6PN6WT	Page 6 pen 6 width	0	65535	R/W
1724	PG1PN6LO	Page 1 pen 6 display rang low	*3	*3	R/W
1725	PG2PN6LO	Page 2 pen 6 display rang low	*3	*3	R/W
1726	PG3PN6LO	Page 3 pen 6 display rang low	*3	*3	R/W
1727	PG4PN6LO	Page 4 pen 6 display rang low	*3	*3	R/W
1728	PG5PN6LO	Page 5 pen 6 display rang low	*3	*3	R/W
1729	PG6PN6LO	Page 6 pen 6 display rang low	*3	*3	R/W
1730	PG1PN6HI	Page 1 pen 6 display rang high	*3	*3	R/W
1731	PG2PN6HI	Page 2 pen 6 display rang high	*3	*3	R/W
1732	PG3PN6HI	Page 3 pen 6 display rang high	*3	*3	R/W
1733	PG4PN6HI	Page 4 pen 6 display rang high	*3	*3	R/W
1734	PG5PN6HI	Page 5 pen 6 display rang high	*3	*3	R/W
1735	PG6PN6HI	Page 6 pen 6 display rang high	*3	*3	R/W
1736	TM1TP	Timer 1 type	0	65535	R/W
1737	TM2TP	Timer 2 type	0	65535	R/W
1738	TM3TP	Timer 3 type	0	65535	R/W
1739	TM4TP	Timer 4 type	0	65535	R/W
1740	TM5TP	Timer 5 type	0	65535	R/W
1741	TM6TP	Timer 6 type	0	65535	R/W
1742	TM1AC	Timer 1 action	0	65535	R/W
1743	TM2AC	Timer 2 action	0	65535	R/W
1744	TM3AC	Timer 3 action	0	65535	R/W
1745	TM4AC	Timer 4 action	0	65535	R/W
1746	TM5AC	Timer 5 action	0	65535	R/W
1747	TM6AC	Timer 6 action	0	65535	R/W
1748	TM1DY	Timer 1 day parameter	0	65535	R/W
1749	TM2DY	Timer 2 day parameter	0	65535	R/W
1750	TM3DY	Timer 3 day parameter	0	65535	R/W
1751	TM4DY	Timer 4 day parameter	0	65535	R/W
1752	TM5DY	Timer 5 day parameter	0	65535	R/W
1753	TM6DY	Timer 6 day parameter	0	65535	R/W
1754	TM1HR	Timer 1 hour parameter	0	65535	R/W
1755	TM2HR	Timer 2 hour parameter	0	65535	R/W
1756	TM3HR	Timer 3 hour parameter	0	65535	R/W
1757	TM4HR	Timer 4 hour parameter	0	65535	R/W
1758	TM5HR	Timer 5 hour parameter	0	65535	R/W
1759	TM6HR	Timer 6 hour parameter	0	65535	R/W
1760	TM1MN	Timer 1 minute parameter	0	65535	R/W

1761	TM2MN	Timer 2 minute parameter		0	65535	R/W
1762	TM3MN	Timer 3 minute parameter		0	65535	R/W
1763	TM4MN	Timer 4 minute parameter		0	65535	R/W
1764	TM5MN	Timer 5 minute parameter		0	65535	R/W
1765	TM6MN	Timer 6 minute parameter		0	65535	R/W
1766	TM1SD	Timer 1 second parameter		0	65535	R/W
1767	TM2SD	Timer 2 second parameter		0	65535	R/W
1768	TM3SD	Timer 3 second parameter		0	65535	R/W
1769	TM4SD	Timer 4 second parameter		0	65535	R/W
1770	TM5SD	Timer 5 second parameter		0	65535	R/W
1771	TM6SD	Timer 6 second parameter		0	65535	R/W
1772	TM1JB1	Timer 1 job 1		0	65535	R/W
1773	TM2JB1	Timer 2 job 1		0	65535	R/W
1774	TM3JB1	Timer 3 job 1		0	65535	R/W
1775	TM4JB1	Timer 4 job 1		0	65535	R/W
1776	TM5JB1	Timer 5 job 1		0	65535	R/W
1777	TM6JB1	Timer 6 job 1		0	65535	R/W
1778	TM1PM1	Timer 1 job 1 parameter		0	65535	R/W
1779	TM2PM1	Timer 2 job 1 parameter		0	65535	R/W
1780	TM3PM1	Timer 3 job 1 parameter		0	65535	R/W
1781	TM4PM1	Timer 4 job 1 parameter		0	65535	R/W
1782	TM5PM1	Timer 5 job 1 parameter		0	65535	R/W
1783	TM6PM1	Timer 6 job 1 parameter		0	65535	R/W
1784	TM1JB2	Timer 1 job 2		0	65535	R/W
1785	TM2JB2	Timer 2 job 2		0	65535	R/W
1786	TM3JB2	Timer 3 job 2		0	65535	R/W
1787	TM4JB2	Timer 4 job 2		0	65535	R/W
1788	TM5JB2	Timer 5 job 2		0	65535	R/W
1789	TM6JB2	Timer 6 job 2		0	65535	R/W
1790	TM1PM2	Timer 1 job 2 parameter		0	65535	R/W
1791	TM2PM2	Timer 2 job 2 parameter		0	65535	R/W
1792	TM3PM2	Timer 3 job 2 parameter		0	65535	R/W
1793	TM4PM2	Timer 4 job 2 parameter		0	65535	R/W
1794	TM5PM2	Timer 5 job 2 parameter		0	65535	R/W
1795	TM6PM2	Timer 6 job 2 parameter		0	65535	R/W
1796	INNA1	Instrument name char 1~2	*10	0	65535	R/W
1797	INNA2	Instrument name char 3~4	*10	0	65535	R/W
1798	INNA3	Instrument name char 5~6	*10	0	65535	R/W
1799	INPW1	Instrument password char 1~2		0	65535	R/W
1800	INPW2	Instrument password char 3~4		0	65535	R/W
1801	INPW3	Instrument password char 5~6		0	65535	R/W
1802	INPW4	Instrument password char 7~8		0	65535	R/W
1803	INSM	Instrument storage media		0	65535	R/W
1804	INKS	Instrument keypad sound		0	65535	R/W
1805	INDS	Instrument date style		0	65535	R/W
1806	INLA	Instrument language		0	65535	R/W
1807	INEL	Instrument event limit		0	65535	R/W
1808	INSS	Instrument screen saver		0	65535	R/W
1809	INIR	Instrument IR sensor enable		0	65535	R/W

1810	INPT	Instrument communication protocol	0	65535	R/W
1811	INAD	Instrument address	0	65535	R/W
1812	INBR	Instrument baud rate	0	65535	R/W
1813	INDF	Instrument data format	0	65535	R/W
1814	INIS	Instrument Ethernet IP set method	0	65535	R/W
1815	INIP1	Instrument Ethernet IP address digital 1~2	0	65535	R/W
1816	INIP2	Instrument Ethernet IP address digital 3~4	0	65535	R/W
1817	INSM1	Instrument subnet mask digital 1~2	0	65535	R/W
1818	INSM2	Instrument subnet mask digital 3~4	0	65535	R/W
1819	CT1NA1	Counter 1 name char 1~2	0	65535	R/W
1820	CT1NA2	Counter 1 name char 3~4	0	65535	R/W
1821	CT1NA3	Counter 1 name char 5~6	0	65535	R/W
1822	CT2NA1	Counter 2 name char 1~2	0	65535	R/W
1823	CT2NA2	Counter 2 name char 3~4	0	65535	R/W
1824	CT2NA3	Counter 2 name char 5~6	0	65535	R/W
1825	CT3NA1	Counter 3 name char 1~2	0	65535	R/W
1826	CT3NA2	Counter 3 name char 3~4	0	65535	R/W
1827	CT3NA3	Counter 3 name char 5~6	0	65535	R/W
1828	CT4NA1	Counter 4 name char 1~2	0	65535	R/W
1829	CT4NA2	Counter 4 name char 3~4	0	65535	R/W
1830	CT4NA3	Counter 4 name char 5~6	0	65535	R/W
1831	CT5NA1	Counter 5 name char 1~2	0	65535	R/W
1832	CT5NA2	Counter 5 name char 3~4	0	65535	R/W
1833	CT5NA3	Counter 5 name char 5~6	0	65535	R/W
1834	CT6NA1	Counter 6 name char 1~2	0	65535	R/W
1835	CT6NA2	Counter 6 name char 3~4	0	65535	R/W
1836	CT6NA3	Counter 6 name char 5~6	0	65535	R/W
1837	CT1UN1	Counter 1 unit char 1~2	0	65535	R/W
1838	CT1UN2	Counter 1 unit char 3~4	0	65535	R/W
1839	CT1UN3	Counter 1 unit char 5~6	0	65535	R/W
1840	CT2UN1	Counter 2 unit char 1~2	0	65535	R/W
1841	CT2UN2	Counter 2 unit char 3~4	0	65535	R/W
1842	CT2UN3	Counter 2 unit char 5~6	0	65535	R/W
1843	CT3UN1	Counter 3 unit char 1~2	0	65535	R/W
1844	CT3UN2	Counter 3 unit char 3~4	0	65535	R/W
1845	CT3UN3	Counter 3 unit char 5~6	0	65535	R/W
1846	CT4UN1	Counter 4 unit char 1~2	0	65535	R/W
1847	CT4UN2	Counter 4 unit char 3~4	0	65535	R/W
1848	CT4UN3	Counter 4 unit char 5~6	0	65535	R/W
1849	CT5UN1	Counter 5 unit char 1~2	0	65535	R/W
1850	CT5UN2	Counter 5 unit char 3~4	0	65535	R/W
1851	CT5UN3	Counter 5 unit char 5~6	0	65535	R/W
1852	CT6UN1	Counter 6 unit char 1~2	0	65535	R/W
1853	CT6UN2	Counter 6 unit char 3~4	0	65535	R/W
1854	CT6UN3	Counter 6 unit char 5~6	0	65535	R/W
1855	CT1PS	Counter 1 preset value	0	65535	R/W
1856	CT2PS	Counter 2 preset value	0	65535	R/W
1857	CT3PS	Counter 3 preset value	0	65535	R/W
1858	CT4PS	Counter 4 preset value	0	65535	R/W

1859	CT5PS	Counter 5 preset value	0	65535	R/W
1860	CT6PS	Counter 6 preset value	0	65535	R/W
1861	CT1EV1TP	Counter 1 event 1 type	0	65535	R/W
1862	CT2EV1TP	Counter 2 event 1 type	0	65535	R/W
1863	CT3EV1TP	Counter 3 event 1 type	0	65535	R/W
1864	CT4EV1TP	Counter 4 event 1 type	0	65535	R/W
1865	CT5EV1TP	Counter 5 event 1 type	0	65535	R/W
1866	CT6EV1TP	Counter 6 event 1 type	0	65535	R/W
1867	CT1EV1SP	Counter 1 event 1 set point	0	65535	R/W
1868	CT2EV1SP	Counter 2 event 1 set point	0	65535	R/W
1869	CT3EV1SP	Counter 3 event 1 set point	0	65535	R/W
1870	CT4EV1SP	Counter 4 event 1 set point	0	65535	R/W
1871	CT5EV1SP	Counter 5 event 1 set point	0	65535	R/W
1872	CT6EV1SP	Counter 6 event 1 set point	0	65535	R/W
1873	CT1EV1JB1	Counter 1 event 1 job 1	0	65535	R/W
1874	CT2EV1JB1	Counter 2 event 1 job 1	0	65535	R/W
1875	CT3EV1JB1	Counter 3 event 1 job 1	0	65535	R/W
1876	CT4EV1JB1	Counter 4 event 1 job 1	0	65535	R/W
1877	CT5EV1JB1	Counter 5 event 1 job 1	0	65535	R/W
1878	CT6EV1JB1	Counter 6 event 1 job 1	0	65535	R/W
1879	CT1EV1PM1	Counter 1 event 1 job 1 parameter	0	65535	R/W
1880	CT2EV1PM1	Counter 2 event 1 job 1 parameter	0	65535	R/W
1881	CT3EV1PM1	Counter 3 event 1 job 1 parameter	0	65535	R/W
1882	CT4EV1PM1	Counter 4 event 1 job 1 parameter	0	65535	R/W
1883	CT5EV1PM1	Counter 5 event 1 job 1 parameter	0	65535	R/W
1884	CT6EV1PM1	Counter 6 event 1 job 1 parameter	0	65535	R/W
1885	CT1EV1JB2	Counter 1 event 1 job 2	0	65535	R/W
1886	CT2EV1JB2	Counter 2 event 1 job 2	0	65535	R/W
1887	CT3EV1JB2	Counter 3 event 1 job 2	0	65535	R/W
1888	CT4EV1JB2	Counter 4 event 1 job 2	0	65535	R/W
1889	CT5EV1JB2	Counter 5 event 1 job 2	0	65535	R/W
1890	CT6EV1JB2	Counter 6 event 1 job 2	0	65535	R/W
1891	CT1EV1PM2	Counter 1 event 1 job 2 parameter	0	65535	R/W
1892	CT2EV1PM2	Counter 2 event 1 job 2 parameter	0	65535	R/W
1893	CT3EV1PM2	Counter 3 event 1 job 2 parameter	0	65535	R/W
1894	CT4EV1PM2	Counter 4 event 1 job 2 parameter	0	65535	R/W
1895	CT5EV1PM2	Counter 5 event 1 job 2 parameter	0	65535	R/W
1896	CT6EV1PM2	Counter 6 event 1 job 2 parameter	0	65535	R/W
1897	CT1EV2TP	Counter 1 event 2 type	0	65535	R/W
1898	CT2EV2TP	Counter 2 event 2 type	0	65535	R/W
1899	CT3EV2TP	Counter 3 event 2 type	0	65535	R/W
1900	CT4EV2TP	Counter 4 event 2 type	0	65535	R/W
1901	CT5EV2TP	Counter 5 event 2 type	0	65535	R/W
1902	CT6EV2TP	Counter 6 event 2 type	0	65535	R/W
1903	CT1EV2SP	Counter 1 event 2 set point	0	65535	R/W
1904	CT2EV2SP	Counter 2 event 2 set point	0	65535	R/W
1905	CT3EV2SP	Counter 3 event 2 set point	0	65535	R/W
1906	CT4EV2SP	Counter 4 event 2 set point	0	65535	R/W
1907	CT5EV2SP	Counter 5 event 2 set point	0	65535	R/W

1908	CT6EV2SP	Counter 6 event 2 set point	0	65535	R/W
1909	CT1EV2JB1	Counter 1 event 2 job 1	0	65535	R/W
1910	CT2EV2JB1	Counter 2 event 2 job 1	0	65535	R/W
1911	CT3EV2JB1	Counter 3 event 2 job 1	0	65535	R/W
1912	CT4EV2JB1	Counter 4 event 2 job 1	0	65535	R/W
1913	CT5EV2JB1	Counter 5 event 2 job 1	0	65535	R/W
1914	CT6EV2JB1	Counter 6 event 2 job 1	0	65535	R/W
1915	CT1EV2PM1	Counter 1 event 2 job 1 parameter	0	65535	R/W
1916	CT2EV2PM1	Counter 2 event 2 job 1 parameter	0	65535	R/W
1917	CT3EV2PM1	Counter 3 event 2 job 1 parameter	0	65535	R/W
1918	CT4EV2PM1	Counter 4 event 2 job 1 parameter	0	65535	R/W
1919	CT5EV2PM1	Counter 5 event 2 job 1 parameter	0	65535	R/W
1920	CT6EV2PM1	Counter 6 event 2 job 1 parameter	0	65535	R/W
1921	CT1EV2JB2	Counter 1 event 2 job 2	0	65535	R/W
1922	CT2EV2JB2	Counter 2 event 2 job 2	0	65535	R/W
1923	CT3EV2JB2	Counter 3 event 2 job 2	0	65535	R/W
1924	CT4EV2JB2	Counter 4 event 2 job 2	0	65535	R/W
1925	CT5EV2JB2	Counter 5 event 2 job 2	0	65535	R/W
1926	CT6EV2JB2	Counter 6 event 2 job 2	0	65535	R/W
1927	CT1EV2PM2	Counter 1 event 2 job 2 parameter	0	65535	R/W
1928	CT2EV2PM2	Counter 2 event 2 job 2 parameter	0	65535	R/W
1929	CT3EV2PM2	Counter 3 event 2 job 2 parameter	0	65535	R/W
1930	CT4EV2PM2	Counter 4 event 2 job 2 parameter	0	65535	R/W
1931	CT5EV2PM2	Counter 5 event 2 job 2 parameter	0	65535	R/W
1932	CT6EV2PM2	Counter 6 event 2 job 2 parameter	0	65535	R/W
1933	DI1NA1	DI 1 name char 1~2	0	65535	R/W
1934	DI1NA2	DI 1 name char 3~4	0	65535	R/W
1935	DI1NA3	DI 1 name char 5~6	0	65535	R/W
1936	DI2NA1	DI 2 name char 1~2	0	65535	R/W
1937	DI2NA2	DI 2 name char 3~4	0	65535	R/W
1938	DI2NA3	DI 2 name char 5~6	0	65535	R/W
1939	DI3NA1	DI 3 name char 1~2	0	65535	R/W
1940	DI3NA2	DI 3 name char 3~4	0	65535	R/W
1941	DI3NA3	DI 3 name char 5~6	0	65535	R/W
1942	DI4NA1	DI 4 name char 1~2	0	65535	R/W
1943	DI4NA2	DI 4 name char 3~4	0	65535	R/W
1944	DI4NA3	DI 4 name char 5~6	0	65535	R/W
1945	DI5NA1	DI 5 name char 1~2	0	65535	R/W
1946	DI5NA2	DI 5 name char 3~4	0	65535	R/W
1947	DI5NA3	DI 5 name char 5~6	0	65535	R/W
1948	DI6NA1	DI 6 name char 1~2	0	65535	R/W
1949	DI6NA2	DI 6 name char 3~4	0	65535	R/W
1950	DI6NA3	DI 6 name char 5~6	0	65535	R/W
1951	DI7NA1	DI 7 name char 1~2	0	65535	R/W
1952	DI7NA2	DI 7 name char 3~4	0	65535	R/W
1953	DI7NA3	DI 7 name char 5~6	0	65535	R/W
1954	DI8NA1	DI 8 name char 1~2	0	65535	R/W
1955	DI8NA2	DI 8 name char 3~4	0	65535	R/W
1956	DI8NA3	DI 8 name char 5~6	0	65535	R/W

1957	DI9NA1	DI 9 name char 1~2	0	65535	R/W
1958	DI9NA2	DI 9 name char 3~4	0	65535	R/W
1959	DI9NA3	DI 9 name char 5~6	0	65535	R/W
1960	DI10NA1	DI 10 name char 1~2	0	65535	R/W
1961	DI10NA2	DI 10 name char 3~4	0	65535	R/W
1962	DI10NA3	DI 10 name char 5~6	0	65535	R/W
1963	DI11NA1	DI 11 name char 1~2	0	65535	R/W
1964	DI11NA2	DI 11 name char 3~4	0	65535	R/W
1965	DI11NA3	DI 11 name char 5~6	0	65535	R/W
1966	DI12NA1	DI 12 name char 1~2	0	65535	R/W
1967	DI12NA2	DI 12 name char 3~4	0	65535	R/W
1968	DI12NA3	DI 12 name char 5~6	0	65535	R/W
1969	DI1EV1TP	DI 1 event 1 type	0	65535	R/W
1970	DI2EV1TP	DI 2 event 1 type	0	65535	R/W
1971	DI3EV1TP	DI 3 event 1 type	0	65535	R/W
1972	DI4EV1TP	DI 4 event 1 type	0	65535	R/W
1973	DI5EV1TP	DI 5 event 1 type	0	65535	R/W
1974	DI6EV1TP	DI 6 event 1 type	0	65535	R/W
1975	DI7EV1TP	DI 7 event 1 type	0	65535	R/W
1976	DI8EV1TP	DI 8 event 1 type	0	65535	R/W
1977	DI9EV1TP	DI 9 event 1 type	0	65535	R/W
1978	DI10EV1TP	DI 10 event 1 type	0	65535	R/W
1979	DI11EV1TP	DI 11 event 1 type	0	65535	R/W
1980	DI12EV1TP	DI 12 event 1 type	0	65535	R/W
1981	DI1EV1JB1	DI 1 event 1 job 1	0	65535	R/W
1982	DI2EV1JB1	DI 2 event 1 job 1	0	65535	R/W
1983	DI3EV1JB1	DI 3 event 1 job 1	0	65535	R/W
1984	DI4EV1JB1	DI 4 event 1 job 1	0	65535	R/W
1985	DI5EV1JB1	DI 5 event 1 job 1	0	65535	R/W
1986	DI6EV1JB1	DI 6 event 1 job 1	0	65535	R/W
1987	DI7EV1JB1	DI 7 event 1 job 1	0	65535	R/W
1988	DI8EV1JB1	DI 8 event 1 job 1	0	65535	R/W
1989	DI9EV1JB1	DI 9 event 1 job 1	0	65535	R/W
1990	DI10EV1JB1	DI 10 event 1 job 1	0	65535	R/W
1991	DI11EV1JB1	DI 11 event 1 job 1	0	65535	R/W
1992	DI12EV1JB1	DI 12 event 1 job 1	0	65535	R/W
1993	DI1EV1PM1	DI 1 event 1 job 1 parameter	0	65535	R/W
1994	DI2EV1PM1	DI 2 event 1 job 1 parameter	0	65535	R/W
1995	DI3EV1PM1	DI 3 event 1 job 1 parameter	0	65535	R/W
1996	DI4EV1PM1	DI 4 event 1 job 1 parameter	0	65535	R/W
1997	DI5EV1PM1	DI 5 event 1 job 1 parameter	0	65535	R/W
1998	DI6EV1PM1	DI 6 event 1 job 1 parameter	0	65535	R/W
1999	DI7EV1PM1	DI 7 event 1 job 1 parameter	0	65535	R/W
2000	DI8EV1PM1	DI 8 event 1 job 1 parameter	0	65535	R/W
2001	DI9EV1PM1	DI 9 event 1 job 1 parameter	0	65535	R/W
2002	DI10EV1PM1	DI 10 event 1 job 1 parameter	0	65535	R/W
2003	DI11EV1PM1	DI 11 event 1 job 1 parameter	0	65535	R/W
2004	DI12EV1PM1	DI 12 event 1 job 1 parameter	0	65535	R/W
2005	DI1EV1JB2	DI 1 event 1 job 2	0	65535	R/W

2006	DI2EV1JB2	DI 2 event 1 job 2	0	65535	R/W
2007	DI3EV1JB2	DI 3 event 1 job 2	0	65535	R/W
2008	DI4EV1JB2	DI 4 event 1 job 2	0	65535	R/W
2009	DI5EV1JB2	DI 5 event 1 job 2	0	65535	R/W
2010	DI6EV1JB2	DI 6 event 1 job 2	0	65535	R/W
2011	DI7EV1JB2	DI 7 event 1 job 2	0	65535	R/W
2012	DI8EV1JB2	DI 8 event 1 job 2	0	65535	R/W
2013	DI9EV1JB2	DI 9 event 1 job 2	0	65535	R/W
2014	DI10EV1JB2	DI 10 event 1 job 2	0	65535	R/W
2015	DI11EV1JB2	DI 11 event 1 job 2	0	65535	R/W
2016	DI12EV1JB2	DI 12 event 1 job 2	0	65535	R/W
2017	DI1EV1PM2	DI 1 event 1 job 2 parameter	0	65535	R/W
2018	DI2EV1PM2	DI 2 event 1 job 2 parameter	0	65535	R/W
2019	DI3EV1PM2	DI 3 event 1 job 2 parameter	0	65535	R/W
2020	DI4EV1PM2	DI 4 event 1 job 2 parameter	0	65535	R/W
2021	DI5EV1PM2	DI 5 event 1 job 2 parameter	0	65535	R/W
2022	DI6EV1PM2	DI 6 event 1 job 2 parameter	0	65535	R/W
2023	DI7EV1PM2	DI 7 event 1 job 2 parameter	0	65535	R/W
2024	DI8EV1PM2	DI 8 event 1 job 2 parameter	0	65535	R/W
2025	DI9EV1PM2	DI 9 event 1 job 2 parameter	0	65535	R/W
2026	DI10EV1PM2	DI 10 event 1 job 2 parameter	0	65535	R/W
2027	DI11EV1PM2	DI 11 event 1 job 2 parameter	0	65535	R/W
2028	DI12EV1PM2	DI 12 event 1 job 2 parameter	0	65535	R/W
2029	DI1EV2TP	DI 1 event 2 type	0	65535	R/W
2030	DI2EV2TP	DI 2 event 2 type	0	65535	R/W
2031	DI3EV2TP	DI 3 event 2 type	0	65535	R/W
2032	DI4EV2TP	DI 4 event 2 type	0	65535	R/W
2033	DI5EV2TP	DI 5 event 2 type	0	65535	R/W
2034	DI6EV2TP	DI 6 event 2 type	0	65535	R/W
2035	DI7EV2TP	DI 7 event 2 type	0	65535	R/W
2036	DI8EV2TP	DI 8 event 2 type	0	65535	R/W
2037	DI9EV2TP	DI 9 event 2 type	0	65535	R/W
2038	DI10EV2TP	DI 10 event 2 type	0	65535	R/W
2039	DI11EV2TP	DI 11 event 2 type	0	65535	R/W
2040	DI12EV2TP	DI 12 event 2 type	0	65535	R/W
2041	DI1EV2JB1	DI 1 event 2 job 1	0	65535	R/W
2042	DI2EV2JB1	DI 2 event 2 job 1	0	65535	R/W
2043	DI3EV2JB1	DI 3 event 2 job 1	0	65535	R/W
2044	DI4EV2JB1	DI 4 event 2 job 1	0	65535	R/W
2045	DI5EV2JB1	DI 5 event 2 job 1	0	65535	R/W
2046	DI6EV2JB1	DI 6 event 2 job 1	0	65535	R/W
2047	DI7EV2JB1	DI 7 event 2 job 1	0	65535	R/W
2048	DI8EV2JB1	DI 8 event 2 job 1	0	65535	R/W
2049	DI9EV2JB1	DI 9 event 2 job 1	0	65535	R/W
2050	DI10EV2JB1	DI 10 event 2 job 1	0	65535	R/W
2051	DI11EV2JB1	DI 11 event 2 job 1	0	65535	R/W
2052	DI12EV2JB1	DI 12 event 2 job 1	0	65535	R/W
2053	DI1EV2PM1	DI 1 event 2 job 1 parameter	0	65535	R/W
2054	DI2EV2PM1	DI 2 event 2 job 1 parameter	0	65535	R/W

2055	DI3EV2PM1	DI 3 event 2 job 1 parameter	0	65535	R/W
2056	DI4EV2PM1	DI 4 event 2 job 1 parameter	0	65535	R/W
2057	DI5EV2PM1	DI 5 event 2 job 1 parameter	0	65535	R/W
2058	DI6EV2PM1	DI 6 event 2 job 1 parameter	0	65535	R/W
2059	DI7EV2PM1	DI 7 event 2 job 1 parameter	0	65535	R/W
2060	DI8EV2PM1	DI 8 event 2 job 1 parameter	0	65535	R/W
2061	DI9EV2PM1	DI 9 event 2 job 1 parameter	0	65535	R/W
2062	DI10EV2PM1	DI 10 event 2 job 1 parameter	0	65535	R/W
2063	DI11EV2PM1	DI 11 event 2 job 1 parameter	0	65535	R/W
2064	DI12EV2PM1	DI 12 event 2 job 1 parameter	0	65535	R/W
2065	DI1EV2JB2	DI 1 event 2 job 2	0	65535	R/W
2066	DI2EV2JB2	DI 2 event 2 job 2	0	65535	R/W
2067	DI3EV2JB2	DI 3 event 2 job 2	0	65535	R/W
2068	DI4EV2JB2	DI 4 event 2 job 2	0	65535	R/W
2069	DI5EV2JB2	DI 5 event 2 job 2	0	65535	R/W
2070	DI6EV2JB2	DI 6 event 2 job 2	0	65535	R/W
2071	DI7EV2JB2	DI 7 event 2 job 2	0	65535	R/W
2072	DI8EV2JB2	DI 8 event 2 job 2	0	65535	R/W
2073	DI9EV2JB2	DI 9 event 2 job 2	0	65535	R/W
2074	DI10EV2JB2	DI 10 event 2 job 2	0	65535	R/W
2075	DI11EV2JB2	DI 11 event 2 job 2	0	65535	R/W
2076	DI12EV2JB2	DI 12 event 2 job 2	0	65535	R/W
2077	DI1EV2PM2	DI 1 event 2 job 2 parameter	0	65535	R/W
2078	DI2EV2PM2	DI 2 event 2 job 2 parameter	0	65535	R/W
2079	DI3EV2PM2	DI 3 event 2 job 2 parameter	0	65535	R/W
2080	DI4EV2PM2	DI 4 event 2 job 2 parameter	0	65535	R/W
2081	DI5EV2PM2	DI 5 event 2 job 2 parameter	0	65535	R/W
2082	DI6EV2PM2	DI 6 event 2 job 2 parameter	0	65535	R/W
2083	DI7EV2PM2	DI 7 event 2 job 2 parameter	0	65535	R/W
2084	DI8EV2PM2	DI 8 event 2 job 2 parameter	0	65535	R/W
2085	DI9EV2PM2	DI 9 event 2 job 2 parameter	0	65535	R/W
2086	DI10EV2PM2	DI 10 event 2 job 2 parameter	0	65535	R/W
2087	DI11EV2PM2	DI 11 event 2 job 2 parameter	0	65535	R/W
2088	DI12EV2PM2	DI 12 event 2 job 2 parameter	0	65535	R/W
2089	TZ1NA1	Totalizer 1 name char 1~2	0	65535	R/W
2090	TZ1NA2	Totalizer 1 name char 3~4	0	65535	R/W
2091	TZ1NA3	Totalizer 1 name char 5~6	0	65535	R/W
2092	TZ2NA1	Totalizer 2 name char 1~2	0	65535	R/W
2093	TZ2NA2	Totalizer 2 name char 3~4	0	65535	R/W
2094	TZ2NA3	Totalizer 2 name char 5~6	0	65535	R/W
2095	TZ3NA1	Totalizer 3 name char 1~2	0	65535	R/W
2096	TZ3NA2	Totalizer 3 name char 3~4	0	65535	R/W
2097	TZ3NA3	Totalizer 3 name char 5~6	0	65535	R/W
2098	TZ4NA1	Totalizer 4 name char 1~2	0	65535	R/W
2099	TZ4NA2	Totalizer 4 name char 3~4	0	65535	R/W
2100	TZ4NA3	Totalizer 4 name char 5~6	0	65535	R/W
2101	TZ5NA1	Totalizer 5 name char 1~2	0	65535	R/W
2102	TZ5NA2	Totalizer 5 name char 3~4	0	65535	R/W
2103	TZ5NA3	Totalizer 5 name char 5~6	0	65535	R/W

2104	TZ6NA1	Totalizer 6 name char 1~2	0	65535	R/W
2105	TZ6NA2	Totalizer 6 name char 3~4	0	65535	R/W
2106	TZ6NA3	Totalizer 6 name char 5~6	0	65535	R/W
2107	TZ1SR	Totalizer 1 source	0	65535	R/W
2108	TZ2SR	Totalizer 2 source	0	65535	R/W
2109	TZ3SR	Totalizer 3 source	0	65535	R/W
2110	TZ4SR	Totalizer 4 source	0	65535	R/W
2111	TZ5SR	Totalizer 5 source	0	65535	R/W
2112	TZ6SR	Totalizer 6 source	0	65535	R/W
2113	TZ1AC	Totalizer 1 action	0	65535	R/W
2114	TZ2AC	Totalizer 2 action	0	65535	R/W
2115	TZ3AC	Totalizer 3 action	0	65535	R/W
2116	TZ4AC	Totalizer 4 action	0	65535	R/W
2117	TZ5AC	Totalizer 5 action	0	65535	R/W
2118	TZ6AC	Totalizer 6 action	0	65535	R/W
2119	TZ1DP	Totalizer 1 decimal point	0	65535	R/W
2120	TZ2DP	Totalizer 2 decimal point	0	65535	R/W
2121	TZ3DP	Totalizer 3 decimal point	0	65535	R/W
2122	TZ4DP	Totalizer 4 decimal point	0	65535	R/W
2123	TZ5DP	Totalizer 5 decimal point	0	65535	R/W
2124	TZ6DP	Totalizer 6 decimal point	0	65535	R/W
2125	TZ1PI	Totalizer 1 period	0	65535	R/W
2126	TZ2PI	Totalizer 2 period	0	65535	R/W
2127	TZ3PI	Totalizer 3 period	0	65535	R/W
2128	TZ4PI	Totalizer 4 period	0	65535	R/W
2129	TZ5PI	Totalizer 5 period	0	65535	R/W
2130	TZ6PI	Totalizer 6 period	0	65535	R/W
2131	TZ1UN1	Totalizer 1 unit char 1~2	0	65535	R/W
2132	TZ1UN2	Totalizer 1 unit char 3~4	0	65535	R/W
2133	TZ1UN3	Totalizer 1 unit char 5~6	0	65535	R/W
2134	TZ2UN1	Totalizer 2 unit char 1~2	0	65535	R/W
2135	TZ2UN2	Totalizer 2 unit char 3~4	0	65535	R/W
2136	TZ2UN3	Totalizer 2 unit char 5~6	0	65535	R/W
2137	TZ3UN1	Totalizer 3 unit char 1~2	0	65535	R/W
2138	TZ3UN2	Totalizer 3 unit char 3~4	0	65535	R/W
2139	TZ3UN3	Totalizer 3 unit char 5~6	0	65535	R/W
2140	TZ4UN1	Totalizer 4 unit char 1~2	0	65535	R/W
2141	TZ4UN2	Totalizer 4 unit char 3~4	0	65535	R/W
2142	TZ4UN3	Totalizer 4 unit char 5~6	0	65535	R/W
2143	TZ5UN1	Totalizer 5 unit char 1~2	0	65535	R/W
2144	TZ5UN2	Totalizer 5 unit char 3~4	0	65535	R/W
2145	TZ5UN3	Totalizer 5 unit char 5~6	0	65535	R/W
2146	TZ6UN1	Totalizer 6 unit char 1~2	0	65535	R/W
2147	TZ6UN2	Totalizer 6 unit char 3~4	0	65535	R/W
2148	TZ6UN3	Totalizer 6 unit char 5~6	0	65535	R/W
2149	TZ1PSH	Totalizer 1 preset hi word	*4	*4	R/W
2150	TZ1PSL	Totalizer 1 preset low word	*4	*4	R/W
2151	TZ2PSH	Totalizer 2 preset hi word	*4	*4	R/W
2152	TZ2PSL	Totalizer 2 preset low word	*4	*4	R/W

2153	TZ3PSH	Totalizer 3 preset hi word		*4	*4	R/W
2154	TZ3PSL	Totalizer 3 preset low word		*4	*4	R/W
2155	TZ4PSH	Totalizer 4 preset hi word		*4	*4	R/W
2156	TZ4PSL	Totalizer 4 preset low word		*4	*4	R/W
2157	TZ5PSH	Totalizer 5 preset hi word		*4	*4	R/W
2158	TZ5PSL	Totalizer 5 preset low word		*4	*4	R/W
2159	TZ6PSH	Totalizer 6 preset hi word		*4	*4	R/W
2160	TZ6PSL	Totalizer 6 preset low word		*4	*4	R/W
2161	TZ1EV1TP	Totalizer 1 event 1 type		0	65535	R/W
2162	TZ2EV1TP	Totalizer 2 event 1 type		0	65535	R/W
2163	TZ3EV1TP	Totalizer 3 event 1 type		0	65535	R/W
2164	TZ4EV1TP	Totalizer 4 event 1 type		0	65535	R/W
2165	TZ5EV1TP	Totalizer 5 event 1 type		0	65535	R/W
2166	TZ6EV1TP	Totalizer 6 event 1 type		0	65535	R/W
2167	TZ1EV1SP	Totalizer 1 event 1 set point	*7	*5	*5	
2168	TZ2EV1SP	Totalizer 2 event 1 set point	*7	*5	*5	
2169	TZ3EV1SP	Totalizer 3 event 1 set point	*7	*5	*5	
2170	TZ4EV1SP	Totalizer 4 event 1 set point	*7	*5	*5	
2171	TZ5EV1SP	Totalizer 5 event 1 set point	*7	*5	*5	
2172	TZ6EV1SP	Totalizer 6 event 1 set point	*7	*5	*5	
2173	TZ1EV1JB1	Totalizer 1 event 1 job 1		0	65535	R/W
2174	TZ2EV1JB1	Totalizer 2 event 1 job 1		0	65535	R/W
2175	TZ3EV1JB1	Totalizer 3 event 1 job 1		0	65535	R/W
2176	TZ4EV1JB1	Totalizer 4 event 1 job 1		0	65535	R/W
2177	TZ5EV1JB1	Totalizer 5 event 1 job 1		0	65535	R/W
2178	TZ6EV1JB1	Totalizer 6 event 1 job 1		0	65535	R/W
2179	TZ1EV1PM1	Totalizer 1 event 1 job 1 parameter		0	65535	R/W
2180	TZ2EV1PM1	Totalizer 2 event 1 job 1 parameter		0	65535	R/W
2181	TZ3EV1PM1	Totalizer 3 event 1 job 1 parameter		0	65535	R/W
2182	TZ4EV1PM1	Totalizer 4 event 1 job 1 parameter		0	65535	R/W
2183	TZ5EV1PM1	Totalizer 5 event 1 job 1 parameter		0	65535	R/W
2184	TZ6EV1PM1	Totalizer 6 event 1 job 1 parameter		0	65535	R/W
2185	TZ1EV1JB2	Totalizer 1 event 1 job 2		0	65535	R/W
2186	TZ2EV1JB2	Totalizer 2 event 1 job 2		0	65535	R/W
2187	TZ3EV1JB2	Totalizer 3 event 1 job 2		0	65535	R/W
2188	TZ4EV1JB2	Totalizer 4 event 1 job 2		0	65535	R/W
2189	TZ5EV1JB2	Totalizer 5 event 1 job 2		0	65535	R/W
2190	TZ6EV1JB2	Totalizer 6 event 1 job 2		0	65535	R/W
2191	TZ1EV1PM2	Totalizer 1 event 1 job 2 parameter		0	65535	R/W
2192	TZ2EV1PM2	Totalizer 2 event 1 job 2 parameter		0	65535	R/W
2193	TZ3EV1PM2	Totalizer 3 event 1 job 2 parameter		0	65535	R/W
2194	TZ4EV1PM2	Totalizer 4 event 1 job 2 parameter		0	65535	R/W
2195	TZ5EV1PM2	Totalizer 5 event 1 job 2 parameter		0	65535	R/W
2196	TZ6EV1PM2	Totalizer 6 event 1 job 2 parameter		0	65535	R/W
2197	TZ1EV2TP	Totalizer 1 event 2 type		0	65535	R/W
2198	TZ2EV2TP	Totalizer 2 event 2 type		0	65535	R/W
2199	TZ3EV2TP	Totalizer 3 event 2 type		0	65535	R/W
2200	TZ4EV2TP	Totalizer 4 event 2 type		0	65535	R/W
2201	TZ5EV2TP	Totalizer 5 event 2 type		0	65535	R/W

2202	TZ6EV2TP	Totalizer 6 event 2 type		0	65535	R/W
2203	TZ1EV2SP	Totalizer 1 event 2 set point	*7	*5	*5	
2204	TZ2EV2SP	Totalizer 2 event 2 set point	*7	*5	*5	
2205	TZ3EV2SP	Totalizer 3 event 2 set point	*7	*5	*5	
2206	TZ4EV2SP	Totalizer 4 event 2 set point	*7	*5	*5	
2207	TZ5EV2SP	Totalizer 5 event 2 set point	*7	*5	*5	
2208	TZ6EV2SP	Totalizer 6 event 2 set point	*7	*5	*5	
2209	TZ1EV2JB1	Totalizer 1 event 2 job 1		0	65535	R/W
2210	TZ2EV2JB1	Totalizer 2 event 2 job 1		0	65535	R/W
2211	TZ3EV2JB1	Totalizer 3 event 2 job 1		0	65535	R/W
2212	TZ4EV2JB1	Totalizer 4 event 2 job 1		0	65535	R/W
2213	TZ5EV2JB1	Totalizer 5 event 2 job 1		0	65535	R/W
2214	TZ6EV2JB1	Totalizer 6 event 2 job 1		0	65535	R/W
2215	TZ1EV2PM1	Totalizer 1 event 2 job 1 parameter		0	65535	R/W
2216	TZ2EV2PM1	Totalizer 2 event 2 job 1 parameter		0	65535	R/W
2217	TZ3EV2PM1	Totalizer 3 event 2 job 1 parameter		0	65535	R/W
2218	TZ4EV2PM1	Totalizer 4 event 2 job 1 parameter		0	65535	R/W
2219	TZ5EV2PM1	Totalizer 5 event 2 job 1 parameter		0	65535	R/W
2220	TZ6EV2PM1	Totalizer 6 event 2 job 1 parameter		0	65535	R/W
2221	TZ1EV2JB2	Totalizer 1 event 2 job 2		0	65535	R/W
2222	TZ2EV2JB2	Totalizer 2 event 2 job 2		0	65535	R/W
2223	TZ3EV2JB2	Totalizer 3 event 2 job 2		0	65535	R/W
2224	TZ4EV2JB2	Totalizer 4 event 2 job 2		0	65535	R/W
2225	TZ5EV2JB2	Totalizer 5 event 2 job 2		0	65535	R/W
2226	TZ6EV2JB2	Totalizer 6 event 2 job 2		0	65535	R/W
2227	TZ1EV2PM2	Totalizer 1 event 2 job 2 parameter		0	65535	R/W
2228	TZ2EV2PM2	Totalizer 2 event 2 job 2 parameter		0	65535	R/W
2229	TZ3EV2PM2	Totalizer 3 event 2 job 2 parameter		0	65535	R/W
2230	TZ4EV2PM2	Totalizer 4 event 2 job 2 parameter		0	65535	R/W
2231	TZ5EV2PM2	Totalizer 5 event 2 job 2 parameter		0	65535	R/W
2232	TZ6EV2PM2	Totalizer 6 event 2 job 2 parameter		0	65535	R/W
2233	MA1EX1	Math 1 expression char 1~2		0	65535	R/W
2234	MA1EX2	Math 1 expression char 3~4		0	65535	R/W
2235	MA1EX3	Math 1 expression char 5~6		0	65535	R/W
2236	MA1EX4	Math 1 expression char 7~8		0	65535	R/W
2237	MA1EX5	Math 1 expression char 9~10		0	65535	R/W
2238	MA1EX6	Math 1 expression char 11~12		0	65535	R/W
2239	MA1EX7	Math 1 expression char 13~14		0	65535	R/W
2240	MA1EX8	Math 1 expression char 15~16		0	65535	R/W
2241	MA1EX9	Math 1 expression char 17~18		0	65535	R/W
2242	MA1EX10	Math 1 expression char 19~20		0	65535	R/W
2243	MA1EX11	Math 1 expression char 21~22		0	65535	R/W
2244	MA1EX12	Math 1 expression char 23~24		0	65535	R/W
2245	MA1EX13	Math 1 expression char 25~26		0	65535	R/W
2246	MA1EX14	Math 1 expression char 27~28		0	65535	R/W
2247	MA1EX15	Math 1 expression char 29~30		0	65535	R/W
2248	MA1EX16	Math 1 expression char 31~32		0	65535	R/W
2249	MA1EX17	Math 1 expression char 33~34		0	65535	R/W
2250	MA1EX18	Math 1 expression char 35~36		0	65535	R/W

2251	MA2EX1	Math 2 expression char 1~2	0	65535	R/W
2252	MA2EX2	Math 2 expression char 3~4	0	65535	R/W
2253	MA2EX3	Math 2 expression char 5~6	0	65535	R/W
2254	MA2EX4	Math 2 expression char 7~8	0	65535	R/W
2255	MA2EX5	Math 2 expression char 9~10	0	65535	R/W
2256	MA2EX6	Math 2 expression char 11~12	0	65535	R/W
2257	MA2EX7	Math 2 expression char 13~14	0	65535	R/W
2258	MA2EX8	Math 2 expression char 15~16	0	65535	R/W
2259	MA2EX9	Math 2 expression char 17~18	0	65535	R/W
2260	MA2EX10	Math 2 expression char 19~20	0	65535	R/W
2261	MA2EX11	Math 2 expression char 21~22	0	65535	R/W
2262	MA2EX12	Math 2 expression char 23~24	0	65535	R/W
2263	MA2EX13	Math 2 expression char 25~26	0	65535	R/W
2264	MA2EX14	Math 2 expression char 27~28	0	65535	R/W
2265	MA2EX15	Math 2 expression char 29~30	0	65535	R/W
2266	MA2EX16	Math 2 expression char 31~32	0	65535	R/W
2267	MA2EX17	Math 2 expression char 33~34	0	65535	R/W
2268	MA2EX18	Math 2 expression char 35~36	0	65535	R/W
2269	MA3EX1	Math 3 expression char 1~2	0	65535	R/W
2270	MA3EX2	Math 3 expression char 3~4	0	65535	R/W
2271	MA3EX3	Math 3 expression char 5~6	0	65535	R/W
2272	MA3EX4	Math 3 expression char 7~8	0	65535	R/W
2273	MA3EX5	Math 3 expression char 9~10	0	65535	R/W
2274	MA3EX6	Math 3 expression char 11~12	0	65535	R/W
2275	MA3EX7	Math 3 expression char 13~14	0	65535	R/W
2276	MA3EX8	Math 3 expression char 15~16	0	65535	R/W
2277	MA3EX9	Math 3 expression char 17~18	0	65535	R/W
2278	MA3EX10	Math 3 expression char 19~20	0	65535	R/W
2279	MA3EX11	Math 3 expression char 21~22	0	65535	R/W
2280	MA3EX12	Math 3 expression char 23~24	0	65535	R/W
2281	MA3EX13	Math 3 expression char 25~26	0	65535	R/W
2282	MA3EX14	Math 3 expression char 27~28	0	65535	R/W
2283	MA3EX15	Math 3 expression char 29~30	0	65535	R/W
2284	MA3EX16	Math 3 expression char 31~32	0	65535	R/W
2285	MA3EX17	Math 3 expression char 33~34	0	65535	R/W
2286	MA3EX18	Math 3 expression char 35~36	0	65535	R/W
2287	MA4EX1	Math 4 expression char 1~2	0	65535	R/W
2288	MA4EX2	Math 4 expression char 3~4	0	65535	R/W
2289	MA4EX3	Math 4 expression char 5~6	0	65535	R/W
2290	MA4EX4	Math 4 expression char 7~8	0	65535	R/W
2291	MA4EX5	Math 4 expression char 9~10	0	65535	R/W
2292	MA4EX6	Math 4 expression char 11~12	0	65535	R/W
2293	MA4EX7	Math 4 expression char 13~14	0	65535	R/W
2294	MA4EX8	Math 4 expression char 15~16	0	65535	R/W
2295	MA4EX9	Math 4 expression char 17~18	0	65535	R/W
2296	MA4EX10	Math 4 expression char 19~20	0	65535	R/W
2297	MA4EX11	Math 4 expression char 21~22	0	65535	R/W
2298	MA4EX12	Math 4 expression char 23~24	0	65535	R/W
2299	MA4EX13	Math 4 expression char 25~26	0	65535	R/W

2300	MA4EX14	Math 4 expression char 27~28	0	65535	R/W
2301	MA4EX15	Math 4 expression char 29~30	0	65535	R/W
2302	MA4EX16	Math 4 expression char 31~32	0	65535	R/W
2303	MA4EX17	Math 4 expression char 33~34	0	65535	R/W
2304	MA4EX18	Math 4 expression char 35~36	0	65535	R/W
2305	MA5EX1	Math 5 expression char 1~2	0	65535	R/W
2306	MA5EX2	Math 5 expression char 3~4	0	65535	R/W
2307	MA5EX3	Math 5 expression char 5~6	0	65535	R/W
2308	MA5EX4	Math 5 expression char 7~8	0	65535	R/W
2309	MA5EX5	Math 5 expression char 9~10	0	65535	R/W
2310	MA5EX6	Math 5 expression char 11~12	0	65535	R/W
2311	MA5EX7	Math 5 expression char 13~14	0	65535	R/W
2312	MA5EX8	Math 5 expression char 15~16	0	65535	R/W
2313	MA5EX9	Math 5 expression char 17~18	0	65535	R/W
2314	MA5EX10	Math 5 expression char 19~20	0	65535	R/W
2315	MA5EX11	Math 5 expression char 21~22	0	65535	R/W
2316	MA5EX12	Math 5 expression char 23~24	0	65535	R/W
2317	MA5EX13	Math 5 expression char 25~26	0	65535	R/W
2318	MA5EX14	Math 5 expression char 27~28	0	65535	R/W
2319	MA5EX15	Math 5 expression char 29~30	0	65535	R/W
2320	MA5EX16	Math 5 expression char 31~32	0	65535	R/W
2321	MA5EX17	Math 5 expression char 33~34	0	65535	R/W
2322	MA5EX18	Math 5 expression char 35~36	0	65535	R/W
2323	MA6EX1	Math 6 expression char 1~2	0	65535	R/W
2324	MA6EX2	Math 6 expression char 3~4	0	65535	R/W
2325	MA6EX3	Math 6 expression char 5~6	0	65535	R/W
2326	MA6EX4	Math 6 expression char 7~8	0	65535	R/W
2327	MA6EX5	Math 6 expression char 9~10	0	65535	R/W
2328	MA6EX6	Math 6 expression char 11~12	0	65535	R/W
2329	MA6EX7	Math 6 expression char 13~14	0	65535	R/W
2330	MA6EX8	Math 6 expression char 15~16	0	65535	R/W
2331	MA6EX9	Math 6 expression char 17~18	0	65535	R/W
2332	MA6EX10	Math 6 expression char 19~20	0	65535	R/W
2333	MA6EX11	Math 6 expression char 21~22	0	65535	R/W
2334	MA6EX12	Math 6 expression char 23~24	0	65535	R/W
2335	MA6EX13	Math 6 expression char 25~26	0	65535	R/W
2336	MA6EX14	Math 6 expression char 27~28	0	65535	R/W
2337	MA6EX15	Math 6 expression char 29~30	0	65535	R/W
2338	MA6EX16	Math 6 expression char 31~32	0	65535	R/W
2339	MA6EX17	Math 6 expression char 33~34	0	65535	R/W
2340	MA6EX18	Math 6 expression char 35~36	0	65535	R/W
2341	MA7EX1	Math 7 expression char 1~2	0	65535	R/W
2342	MA7EX2	Math 7 expression char 3~4	0	65535	R/W
2343	MA7EX3	Math 7 expression char 5~6	0	65535	R/W
2344	MA7EX4	Math 7 expression char 7~8	0	65535	R/W
2345	MA7EX5	Math 7 expression char 9~10	0	65535	R/W
2346	MA7EX6	Math 7 expression char 11~12	0	65535	R/W
2347	MA7EX7	Math 7 expression char 13~14	0	65535	R/W
2348	MA7EX8	Math 7 expression char 15~16	0	65535	R/W

2349	MA7EX9	Math 7 expression char 17~18	0	65535	R/W
2350	MA7EX10	Math 7 expression char 19~20	0	65535	R/W
2351	MA7EX11	Math 7 expression char 21~22	0	65535	R/W
2352	MA7EX12	Math 7 expression char 23~24	0	65535	R/W
2353	MA7EX13	Math 7 expression char 25~26	0	65535	R/W
2354	MA7EX14	Math 7 expression char 27~28	0	65535	R/W
2355	MA7EX15	Math 7 expression char 29~30	0	65535	R/W
2356	MA7EX16	Math 7 expression char 31~32	0	65535	R/W
2357	MA7EX17	Math 7 expression char 33~34	0	65535	R/W
2358	MA7EX18	Math 7 expression char 35~36	0	65535	R/W
2359	MA8EX1	Math 8 expression char 1~2	0	65535	R/W
2360	MA8EX2	Math 8 expression char 3~4	0	65535	R/W
2361	MA8EX3	Math 8 expression char 5~6	0	65535	R/W
2362	MA8EX4	Math 8 expression char 7~8	0	65535	R/W
2363	MA8EX5	Math 8 expression char 9~10	0	65535	R/W
2364	MA8EX6	Math 8 expression char 11~12	0	65535	R/W
2365	MA8EX7	Math 8 expression char 13~14	0	65535	R/W
2366	MA8EX8	Math 8 expression char 15~16	0	65535	R/W
2367	MA8EX9	Math 8 expression char 17~18	0	65535	R/W
2368	MA8EX10	Math 8 expression char 19~20	0	65535	R/W
2369	MA8EX11	Math 8 expression char 21~22	0	65535	R/W
2370	MA8EX12	Math 8 expression char 23~24	0	65535	R/W
2371	MA8EX13	Math 8 expression char 25~26	0	65535	R/W
2372	MA8EX14	Math 8 expression char 27~28	0	65535	R/W
2373	MA8EX15	Math 8 expression char 29~30	0	65535	R/W
2374	MA8EX16	Math 8 expression char 31~32	0	65535	R/W
2375	MA8EX17	Math 8 expression char 33~34	0	65535	R/W
2376	MA8EX18	Math 8 expression char 35~36	0	65535	R/W
2377	MA9EX1	Math 9 expression char 1~2	0	65535	R/W
2378	MA9EX2	Math 9 expression char 3~4	0	65535	R/W
2379	MA9EX3	Math 9 expression char 5~6	0	65535	R/W
2380	MA9EX4	Math 9 expression char 7~8	0	65535	R/W
2381	MA9EX5	Math 9 expression char 9~10	0	65535	R/W
2382	MA9EX6	Math 9 expression char 11~12	0	65535	R/W
2383	MA9EX7	Math 9 expression char 13~14	0	65535	R/W
2384	MA9EX8	Math 9 expression char 15~16	0	65535	R/W
2385	MA9EX9	Math 9 expression char 17~18	0	65535	R/W
2386	MA9EX10	Math 9 expression char 19~20	0	65535	R/W
2387	MA9EX11	Math 9 expression char 21~22	0	65535	R/W
2388	MA9EX12	Math 9 expression char 23~24	0	65535	R/W
2389	MA9EX13	Math 9 expression char 25~26	0	65535	R/W
2390	MA9EX14	Math 9 expression char 27~28	0	65535	R/W
2391	MA9EX15	Math 9 expression char 29~30	0	65535	R/W
2392	MA9EX16	Math 9 expression char 31~32	0	65535	R/W
2393	MA9EX17	Math 9 expression char 33~34	0	65535	R/W
2394	MA9EX18	Math 9 expression char 35~36	0	65535	R/W
2395	MA10EX1	Math 10 expression char 1~2	0	65535	R/W
2396	MA10EX2	Math 10 expression char 3~4	0	65535	R/W
2397	MA10EX3	Math 10 expression char 5~6	0	65535	R/W

2398	MA10EX4	Math 10 expression char 7~8	0	65535	R/W
2399	MA10EX5	Math 10 expression char 9~10	0	65535	R/W
2400	MA10EX6	Math 10 expression char 11~12	0	65535	R/W
2401	MA10EX7	Math 10 expression char 13~14	0	65535	R/W
2402	MA10EX8	Math 10 expression char 15~16	0	65535	R/W
2403	MA10EX9	Math 10 expression char 17~18	0	65535	R/W
2404	MA10EX10	Math 10 expression char 19~20	0	65535	R/W
2405	MA10EX11	Math 10 expression char 21~22	0	65535	R/W
2406	MA10EX12	Math 10 expression char 23~24	0	65535	R/W
2407	MA10EX13	Math 10 expression char 25~26	0	65535	R/W
2408	MA10EX14	Math 10 expression char 27~28	0	65535	R/W
2409	MA10EX15	Math 10 expression char 29~30	0	65535	R/W
2410	MA10EX16	Math 10 expression char 31~32	0	65535	R/W
2411	MA10EX17	Math 10 expression char 33~34	0	65535	R/W
2412	MA10EX18	Math 10 expression char 35~36	0	65535	R/W
2413	MA11EX1	Math 11 expression char 1~2	0	65535	R/W
2414	MA11EX2	Math 11 expression char 3~4	0	65535	R/W
2415	MA11EX3	Math 11 expression char 5~6	0	65535	R/W
2416	MA11EX4	Math 11 expression char 7~8	0	65535	R/W
2417	MA11EX5	Math 11 expression char 9~10	0	65535	R/W
2418	MA11EX6	Math 11 expression char 11~12	0	65535	R/W
2419	MA11EX7	Math 11 expression char 13~14	0	65535	R/W
2420	MA11EX8	Math 11 expression char 15~16	0	65535	R/W
2421	MA11EX9	Math 11 expression char 17~18	0	65535	R/W
2422	MA11EX10	Math 11 expression char 19~20	0	65535	R/W
2423	MA11EX11	Math 11 expression char 21~22	0	65535	R/W
2424	MA11EX12	Math 11 expression char 23~24	0	65535	R/W
2425	MA11EX13	Math 11 expression char 25~26	0	65535	R/W
2426	MA11EX14	Math 11 expression char 27~28	0	65535	R/W
2427	MA11EX15	Math 11 expression char 29~30	0	65535	R/W
2428	MA11EX16	Math 11 expression char 31~32	0	65535	R/W
2429	MA11EX17	Math 11 expression char 33~34	0	65535	R/W
2430	MA11EX18	Math 11 expression char 35~36	0	65535	R/W
2431	MA12EX1	Math 12 expression char 1~2	0	65535	R/W
2432	MA12EX2	Math 12 expression char 3~4	0	65535	R/W
2433	MA12EX3	Math 12 expression char 5~6	0	65535	R/W
2434	MA12EX4	Math 12 expression char 7~8	0	65535	R/W
2435	MA12EX5	Math 12 expression char 9~10	0	65535	R/W
2436	MA12EX6	Math 12 expression char 11~12	0	65535	R/W
2437	MA12EX7	Math 12 expression char 13~14	0	65535	R/W
2438	MA12EX8	Math 12 expression char 15~16	0	65535	R/W
2439	MA12EX9	Math 12 expression char 17~18	0	65535	R/W
2440	MA12EX10	Math 12 expression char 19~20	0	65535	R/W
2441	MA12EX11	Math 12 expression char 21~22	0	65535	R/W
2442	MA12EX12	Math 12 expression char 23~24	0	65535	R/W
2443	MA12EX13	Math 12 expression char 25~26	0	65535	R/W
2444	MA12EX14	Math 12 expression char 27~28	0	65535	R/W
2445	MA12EX15	Math 12 expression char 29~30	0	65535	R/W
2446	MA12EX16	Math 12 expression char 31~32	0	65535	R/W

2447	MA12EX17	Math 12 expression char 33~34	0	65535	R/W
2448	MA12EX18	Math 12 expression char 35~36	0	65535	R/W
2449	MA13EX1	Math 13 expression char 1~2	0	65535	R/W
2450	MA13EX2	Math 13 expression char 3~4	0	65535	R/W
2451	MA13EX3	Math 13 expression char 5~6	0	65535	R/W
2452	MA13EX4	Math 13 expression char 7~8	0	65535	R/W
2453	MA13EX5	Math 13 expression char 9~10	0	65535	R/W
2454	MA13EX6	Math 13 expression char 11~12	0	65535	R/W
2455	MA13EX7	Math 13 expression char 13~14	0	65535	R/W
2456	MA13EX8	Math 13 expression char 15~16	0	65535	R/W
2457	MA13EX9	Math 13 expression char 17~18	0	65535	R/W
2458	MA13EX10	Math 13 expression char 19~20	0	65535	R/W
2459	MA13EX11	Math 13 expression char 21~22	0	65535	R/W
2460	MA13EX12	Math 13 expression char 23~24	0	65535	R/W
2461	MA13EX13	Math 13 expression char 25~26	0	65535	R/W
2462	MA13EX14	Math 13 expression char 27~28	0	65535	R/W
2463	MA13EX15	Math 13 expression char 29~30	0	65535	R/W
2464	MA13EX16	Math 13 expression char 31~32	0	65535	R/W
2465	MA13EX17	Math 13 expression char 33~34	0	65535	R/W
2466	MA13EX18	Math 13 expression char 35~36	0	65535	R/W
2467	MA14EX1	Math 14 expression char 1~2	0	65535	R/W
2468	MA14EX2	Math 14 expression char 3~4	0	65535	R/W
2469	MA14EX3	Math 14 expression char 5~6	0	65535	R/W
2470	MA14EX4	Math 14 expression char 7~8	0	65535	R/W
2471	MA14EX5	Math 14 expression char 9~10	0	65535	R/W
2472	MA14EX6	Math 14 expression char 11~12	0	65535	R/W
2473	MA14EX7	Math 14 expression char 13~14	0	65535	R/W
2474	MA14EX8	Math 14 expression char 15~16	0	65535	R/W
2475	MA14EX9	Math 14 expression char 17~18	0	65535	R/W
2476	MA14EX10	Math 14 expression char 19~20	0	65535	R/W
2477	MA14EX11	Math 14 expression char 21~22	0	65535	R/W
2478	MA14EX12	Math 14 expression char 23~24	0	65535	R/W
2479	MA14EX13	Math 14 expression char 25~26	0	65535	R/W
2480	MA14EX14	Math 14 expression char 27~28	0	65535	R/W
2481	MA14EX15	Math 14 expression char 29~30	0	65535	R/W
2482	MA14EX16	Math 14 expression char 31~32	0	65535	R/W
2483	MA14EX17	Math 14 expression char 33~34	0	65535	R/W
2484	MA4EX18	Math 14 expression char 35~36	0	65535	R/W
2485	MA15EX1	Math 15 expression char 1~2	0	65535	R/W
2486	MA15EX2	Math 15 expression char 3~4	0	65535	R/W
2487	MA15EX3	Math 15 expression char 5~6	0	65535	R/W
2488	MA15EX4	Math 15 expression char 7~8	0	65535	R/W
2489	MA15EX5	Math 15 expression char 9~10	0	65535	R/W
2490	MA15EX6	Math 15 expression char 11~12	0	65535	R/W
2491	MA15EX7	Math 15 expression char 13~14	0	65535	R/W
2492	MA15EX8	Math 15 expression char 15~16	0	65535	R/W
2493	MA15EX9	Math 15 expression char 17~18	0	65535	R/W
2494	MA15EX10	Math 15 expression char 19~20	0	65535	R/W
2495	MA15EX11	Math 15 expression char 21~22	0	65535	R/W

2496	MA15EX12	Math 15 expression char 23~24	0	65535	R/W
2497	MA15EX13	Math 15 expression char 25~26	0	65535	R/W
2498	MA15EX14	Math 15 expression char 27~28	0	65535	R/W
2499	MA15EX15	Math 15 expression char 29~30	0	65535	R/W
2500	MA15EX16	Math 15 expression char 31~32	0	65535	R/W
2501	MA15EX17	Math 15 expression char 33~34	0	65535	R/W
2502	MA15EX18	Math 15 expression char 35~36	0	65535	R/W
2503	MA16EX1	Math 16 expression char 1~2	0	65535	R/W
2504	MA16EX2	Math 16 expression char 3~4	0	65535	R/W
2505	MA16EX3	Math 16 expression char 5~6	0	65535	R/W
2506	MA16EX4	Math 16 expression char 7~8	0	65535	R/W
2507	MA16EX5	Math 16 expression char 9~10	0	65535	R/W
2508	MA16EX6	Math 16 expression char 11~12	0	65535	R/W
2509	MA16EX7	Math 16 expression char 13~14	0	65535	R/W
2510	MA16EX8	Math 16 expression char 15~16	0	65535	R/W
2511	MA16EX9	Math 16 expression char 17~18	0	65535	R/W
2512	MA16EX10	Math 16 expression char 19~20	0	65535	R/W
2513	MA16EX11	Math 16 expression char 21~22	0	65535	R/W
2514	MA16EX12	Math 16 expression char 23~24	0	65535	R/W
2515	MA16EX13	Math 16 expression char 25~26	0	65535	R/W
2516	MA16EX14	Math 16 expression char 27~28	0	65535	R/W
2517	MA16EX15	Math 16 expression char 29~30	0	65535	R/W
2518	MA16EX16	Math 16 expression char 31~32	0	65535	R/W
2519	MA16EX17	Math 16 expression char 33~34	0	65535	R/W
2520	MA6EX18	Math 16 expression char 35~36	0	65535	R/W
2521	MA17EX1	Math 17 expression char 1~2	0	65535	R/W
2522	MA17EX2	Math 17 expression char 3~4	0	65535	R/W
2523	MA17EX3	Math 17 expression char 5~6	0	65535	R/W
2524	MA17EX4	Math 17 expression char 7~8	0	65535	R/W
2525	MA17EX5	Math 17 expression char 9~10	0	65535	R/W
2526	MA17EX6	Math 17 expression char 11~12	0	65535	R/W
2527	MA17EX7	Math 17 expression char 13~14	0	65535	R/W
2528	MA17EX8	Math 17 expression char 15~16	0	65535	R/W
2529	MA17EX9	Math 17 expression char 17~18	0	65535	R/W
2530	MA17EX10	Math 17 expression char 19~20	0	65535	R/W
2531	MA17EX11	Math 17 expression char 21~22	0	65535	R/W
2532	MA17EX12	Math 17 expression char 23~24	0	65535	R/W
2533	MA17EX13	Math 17 expression char 25~26	0	65535	R/W
2534	MA17EX14	Math 17 expression char 27~28	0	65535	R/W
2535	MA17EX15	Math 17 expression char 29~30	0	65535	R/W
2536	MA17EX16	Math 17 expression char 31~32	0	65535	R/W
2537	MA17EX17	Math 17 expression char 33~34	0	65535	R/W
2538	MA17EX18	Math 17 expression char 35~36	0	65535	R/W
2539	MA18EX1	Math 18 expression char 1~2	0	65535	R/W
2540	MA18EX2	Math 18 expression char 3~4	0	65535	R/W
2541	MA18EX3	Math 18 expression char 5~6	0	65535	R/W
2542	MA18EX4	Math 18 expression char 7~8	0	65535	R/W
2543	MA18EX5	Math 18 expression char 9~10	0	65535	R/W
2544	MA18EX6	Math 18 expression char 11~12	0	65535	R/W

2545	MA18EX7	Math 18 expression char 13~14	0	65535	R/W
2546	MA18EX8	Math 18 expression char 15~16	0	65535	R/W
2547	MA18EX9	Math 18 expression char 17~18	0	65535	R/W
2548	MA18EX10	Math 18 expression char 19~20	0	65535	R/W
2549	MA18EX11	Math 18 expression char 21~22	0	65535	R/W
2550	MA18EX12	Math 18 expression char 23~24	0	65535	R/W
2551	MA18EX13	Math 18 expression char 25~26	0	65535	R/W
2552	MA18EX14	Math 18 expression char 27~28	0	65535	R/W
2553	MA18EX15	Math 18 expression char 29~30	0	65535	R/W
2554	MA18EX16	Math 18 expression char 31~32	0	65535	R/W
2555	MA18EX17	Math 18 expression char 33~34	0	65535	R/W
2556	MA18EX18	Math 18 expression char 35~36	0	65535	R/W
2557	CDMD1	IO card mode slot 1 channel 1~2	0	65535	R
2558	CDMD2	IO card mode slot 1 channel 3~4	0	65535	R
2559	CDMD3	IO card mode slot 1 channel 5~6	0	65535	R
2560	CDMD4	IO card mode slot 2 channel 1~2	0	65535	R
2561	CDMD5	IO card mode slot 2 channel 3~4	0	65535	R
2562	CDMD6	IO card mode slot 2 channel 5~6	0	65535	R
2563	CDMD7	IO card mode slot 3 channel 1~2	0	65535	R
2564	CDMD8	IO card mode slot 3 channel 3~4	0	65535	R
2565	CDMD9	IO card mode slot 3 channel 5~6	0	65535	R
2566	CDMD10	IO card mode slot 4 channel 1~2	0	65535	R
2567	CDMD11	IO card mode slot 4 channel 3~4	0	65535	R
2568	CDMD12	IO card mode slot 4 channel 5~6	0	65535	R
2569	CDMD13	IO card mode slot 5 channel 1~2	0	65535	R
2570	CDMD14	IO card mode slot 5 channel 3~4	0	65535	R
2571	CDMD15	IO card mode slot 5 channel 5~6	0	65535	R
2572	CDMD16	IO card mode slot 6 channel 1~2	0	65535	R
2573	CDMD17	IO card mode slot 6 channel 3~4	0	65535	R
2574	CDMD18	IO card mode slot 6 channel 5~6	0	65535	R
2575	DI13NA1	DI 13 name char 1~2 *6	0	65535	R/W
2576	DI13NA2	DI 13 name char 3~4 *6	0	65535	R/W
2577	DI13NA3	DI 13 name char 5~6 *6	0	65535	R/W
2578	DI14NA1	DI 14 name char 1~2 *6	0	65535	R/W
2579	DI14NA2	DI 14 name char 3~4 *6	0	65535	R/W
2580	DI14NA3	DI 14 name char 5~6 *6	0	65535	R/W
2581	DI15NA1	DI 15 name char 1~2 *6	0	65535	R/W
2582	DI15NA2	DI 15 name char 3~4 *6	0	65535	R/W
2583	DI15NA3	DI 15 name char 5~6 *6	0	65535	R/W
2584	DI16NA1	DI 16 name char 1~2 *6	0	65535	R/W
2585	DI16NA2	DI 16 name char 3~4 *6	0	65535	R/W
2586	DI16NA3	DI 16 name char 5~6 *6	0	65535	R/W
2587	DI17NA1	DI 17 name char 1~2 *6	0	65535	R/W
2588	DI17NA2	DI 17 name char 3~4 *6	0	65535	R/W
2589	DI17NA3	DI 17 name char 5~6 *6	0	65535	R/W
2590	DI18NA1	DI 18 name char 1~2 *6	0	65535	R/W
2591	DI18NA2	DI 18 name char 3~4 *6	0	65535	R/W
2592	DI18NA3	DI 18 name char 5~6 *6	0	65535	R/W
2593	DI19NA1	DI 19 name char 1~2 *6	0	65535	R/W

2594	DI19NA2	DI 19 name char 3~4	*6	0	65535	R/W
2595	DI19NA3	DI 19 name char 5~6	*6	0	65535	R/W
2596	DI20NA1	DI 10 name char 1~2	*6	0	65535	R/W
2597	DI20NA2	DI 10 name char 3~4	*6	0	65535	R/W
2598	DI20NA3	DI 10 name char 5~6	*6	0	65535	R/W
2599	DI21NA1	DI 21 name char 1~2	*6	0	65535	R/W
2600	DI21NA2	DI 21 name char 3~4	*6	0	65535	R/W
2601	DI21NA3	DI 21 name char 5~6	*6	0	65535	R/W
2602	DI22NA1	DI 22 name char 1~2	*6	0	65535	R/W
2603	DI22NA2	DI 22 name char 3~4	*6	0	65535	R/W
2604	DI22NA3	DI 22 name char 5~6	*6	0	65535	R/W
2605	DI23NA1	DI 23 name char 1~2	*6	0	65535	R/W
2606	DI23NA2	DI 23 name char 3~4	*6	0	65535	R/W
2607	DI23NA3	DI 23 name char 5~6	*6	0	65535	R/W
2608	DI24NA1	DI 24 name char 1~2	*6	0	65535	R/W
2609	DI24NA2	DI 24 name char 3~4	*6	0	65535	R/W
2610	DI24NA3	DI 24 name char 5~6	*6	0	65535	R/W
2611	DI25NA1	DI 25 name char 1~2	*6	0	65535	R/W
2612	DI25NA2	DI 25 name char 3~4	*6	0	65535	R/W
2613	DI25NA3	DI 25 name char 5~6	*6	0	65535	R/W
2614	DI26NA1	DI 26 name char 1~2	*6	0	65535	R/W
2615	DI26NA2	DI 26 name char 3~4	*6	0	65535	R/W
2616	DI26NA3	DI 26 name char 5~6	*6	0	65535	R/W
2617	DI27NA1	DI 27 name char 1~2	*6	0	65535	R/W
2618	DI27NA2	DI 27 name char 3~4	*6	0	65535	R/W
2619	DI27NA3	DI 27 name char 5~6	*6	0	65535	R/W
2620	DI28NA1	DI 28 name char 1~2	*6	0	65535	R/W
2621	DI28NA2	DI 28 name char 3~4	*6	0	65535	R/W
2622	DI28NA3	DI 28 name char 5~6	*6	0	65535	R/W
2623	DI29NA1	DI 29 name char 1~2	*6	0	65535	R/W
2624	DI29NA2	DI 29 name char 3~4	*6	0	65535	R/W
2625	DI29NA3	DI 29 name char 5~6	*6	0	65535	R/W
2626	DI30NA1	DI 30 name char 1~2	*6	0	65535	R/W
2627	DI30NA2	DI 30 name char 3~4	*6	0	65535	R/W
2628	DI30NA3	DI 30 name char 5~6	*6	0	65535	R/W
2629	DI31NA1	DI 31 name char 1~2	*6	0	65535	R/W
2630	DI31NA2	DI 31 name char 3~4	*6	0	65535	R/W
2631	DI31NA3	DI 31 name char 5~6	*6	0	65535	R/W
2632	DI32NA1	DI 32 name char 1~2	*6	0	65535	R/W
2633	DI32NA2	DI 32 name char 3~4	*6	0	65535	R/W
2634	DI32NA3	DI 32 name char 5~6	*6	0	65535	R/W
2635	DI33NA1	DI 33 name char 1~2	*6	0	65535	R/W
2636	DI33NA2	DI 33 name char 3~4	*6	0	65535	R/W
2637	DI33NA3	DI 33 name char 5~6	*6	0	65535	R/W
2638	DI34NA1	DI 34 name char 1~2	*6	0	65535	R/W
2639	DI34NA2	DI 34 name char 3~4	*6	0	65535	R/W
2640	DI34NA3	DI 34 name char 5~6	*6	0	65535	R/W
2641	DI35NA1	DI 35 name char 1~2	*6	0	65535	R/W
2642	DI35NA2	DI 35 name char 3~4	*6	0	65535	R/W

2643	DI35NA3	DI 35 name char 5~6	*6	0	65535	R/W
2644	DI36NA1	DI 36 name char 1~2	*6	0	65535	R/W
2645	DI36NA2	DI 36 name char 3~4	*6	0	65535	R/W
2646	DI36NA3	DI 36 name char 5~6	*6	0	65535	R/W
2647	DI13EV1TP	DI 13 event 1 type	*6	0	65535	R/W
2648	DI14EV1TP	DI 14 event 1 type	*6	0	65535	R/W
2649	DI15EV1TP	DI 15 event 1 type	*6	0	65535	R/W
2650	DI16EV1TP	DI 16 event 1 type	*6	0	65535	R/W
2651	DI17EV1TP	DI 17 event 1 type	*6	0	65535	R/W
2652	DI18EV1TP	DI 18 event 1 type	*6	0	65535	R/W
2653	DI19EV1TP	DI 19 event 1 type	*6	0	65535	R/W
2654	DI20EV1TP	DI 20 event 1 type	*6	0	65535	R/W
2655	DI21EV1TP	DI 21 event 1 type	*6	0	65535	R/W
2656	DI22EV1TP	DI 22 event 1 type	*6	0	65535	R/W
2657	DI23EV1TP	DI 23 event 1 type	*6	0	65535	R/W
2658	DI24EV1TP	DI 24 event 1 type	*6	0	65535	R/W
2659	DI25EV1TP	DI 25 event 1 type	*6	0	65535	R/W
2660	DI26EV1TP	DI 26 event 1 type	*6	0	65535	R/W
2661	DI27EV1TP	DI 27 event 1 type	*6	0	65535	R/W
2662	DI28EV1TP	DI 28 event 1 type	*6	0	65535	R/W
2663	DI29EV1TP	DI 29 event 1 type	*6	0	65535	R/W
2664	DI30EV1TP	DI 30 event 1 type	*6	0	65535	R/W
2665	DI31EV1TP	DI 31 event 1 type	*6	0	65535	R/W
2666	DI32EV1TP	DI 32 event 1 type	*6	0	65535	R/W
2667	DI33EV1TP	DI 33 event 1 type	*6	0	65535	R/W
2668	DI34EV1TP	DI 34 event 1 type	*6	0	65535	R/W
2669	DI35EV1TP	DI 35 event 1 type	*6	0	65535	R/W
2670	DI36EV1TP	DI 36 event 1 type	*6	0	65535	R/W
2671	DI13EV1JB1	DI 13 event 1 job 1	*6	0	65535	R/W
2672	DI14EV1JB1	DI 14 event 1 job 1	*6	0	65535	R/W
2673	DI15EV1JB1	DI 15 event 1 job 1	*6	0	65535	R/W
2674	DI16EV1JB1	DI 16 event 1 job 1	*6	0	65535	R/W
2675	DI17EV1JB1	DI 17 event 1 job 1	*6	0	65535	R/W
2676	DI18EV1JB1	DI 18 event 1 job 1	*6	0	65535	R/W
2677	DI119EV1JB1	DI 19 event 1 job 1	*6	0	65535	R/W
2678	DI20EV1JB1	DI 20 event 1 job 1	*6	0	65535	R/W
2679	DI21EV1JB1	DI 21 event 1 job 1	*6	0	65535	R/W
2680	DI22EV1JB1	DI 22 event 1 job 1	*6	0	65535	R/W
2681	DI23EV1JB1	DI 23 event 1 job 1	*6	0	65535	R/W
2682	DI24EV1JB1	DI 24 event 1 job 1	*6	0	65535	R/W
2683	DI25EV1JB1	DI 25 event 1 job 1	*6	0	65535	R/W
2684	DI26EV1JB1	DI 26 event 1 job 1	*6	0	65535	R/W
2685	DI27EV1JB1	DI 27 event 1 job 1	*6	0	65535	R/W
2686	DI28EV1JB1	DI 28 event 1 job 1	*6	0	65535	R/W
2687	DI29EV1JB1	DI 29 event 1 job 1	*6	0	65535	R/W
2688	DI30EV1JB1	DI 30 event 1 job 1	*6	0	65535	R/W
2689	DI31EV1JB1	DI 31 event 1 job 1	*6	0	65535	R/W
2690	DI32EV1JB1	DI 32 event 1 job 1	*6	0	65535	R/W
2691	DI33EV1JB1	DI 33 event 1 job 1	*6	0	65535	R/W

2692	DI34EV1JB1	DI 34 event 1 job 1 *6	0	65535	R/W
2693	DI35EV1JB1	DI 35 event 1 job 1 *6	0	65535	R/W
2694	DI36EV1JB1	DI 36 event 1 job 1 *6	0	65535	R/W
2695	DI13EV1PM1	DI 13 event 1 job 1 parameter *6	0	65535	R/W
2696	DI14EV1PM1	DI 14 event 1 job 1 parameter *6	0	65535	R/W
2697	DI15EV1PM1	DI 15 event 1 job 1 parameter *6	0	65535	R/W
2698	DI16EV1PM1	DI 16 event 1 job 1 parameter *6	0	65535	R/W
2699	DI17EV1PM1	DI 17 event 1 job 1 parameter *6	0	65535	R/W
2700	DI18EV1PM1	DI 18 event 1 job 1 parameter *6	0	65535	R/W
2701	DI19EV1PM1	DI 19 event 1 job 1 parameter *6	0	65535	R/W
2702	DI20EV1PM1	DI 20 event 1 job 1 parameter *6	0	65535	R/W
2703	DI21EV1PM1	DI 21 event 1 job 1 parameter *6	0	65535	R/W
2704	DI22EV1PM1	DI 22 event 1 job 1 parameter *6	0	65535	R/W
2705	DI23EV1PM1	DI 23 event 1 job 1 parameter *6	0	65535	R/W
2706	DI24EV1PM1	DI 24 event 1 job 1 parameter *6	0	65535	R/W
2707	DI25EV1PM1	DI 25 event 1 job 1 parameter *6	0	65535	R/W
2708	DI26EV1PM1	DI 26 event 1 job 1 parameter *6	0	65535	R/W
2709	DI27EV1PM1	DI 27 event 1 job 1 parameter *6	0	65535	R/W
2710	DI28EV1PM1	DI 28 event 1 job 1 parameter *6	0	65535	R/W
2711	DI29EV1PM1	DI 29 event 1 job 1 parameter *6	0	65535	R/W
2712	DI30EV1PM1	DI 30 event 1 job 1 parameter *6	0	65535	R/W
2713	DI31EV1PM1	DI 31 event 1 job 1 parameter *6	0	65535	R/W
2714	DI32EV1PM1	DI 32 event 1 job 1 parameter *6	0	65535	R/W
2715	DI33EV1PM1	DI 33 event 1 job 1 parameter *6	0	65535	R/W
2716	DI34EV1PM1	DI 34 event 1 job 1 parameter *6	0	65535	R/W
2717	DI35EV1PM1	DI 35 event 1 job 1 parameter *6	0	65535	R/W
2718	DI36EV1PM1	DI 36 event 1 job 1 parameter *6	0	65535	R/W
2719	DI13EV1JB2	DI 13 event 1 job 2 *6	0	65535	R/W
2720	DI14EV1JB2	DI 14 event 1 job 2 *6	0	65535	R/W
2721	DI15EV1JB2	DI 15 event 1 job 2 *6	0	65535	R/W
2722	DI16EV1JB2	DI 16 event 1 job 2 *6	0	65535	R/W
2723	DI17EV1JB2	DI 17 event 1 job 2 *6	0	65535	R/W
2724	DI18EV1JB2	DI 18 event 1 job 2 *6	0	65535	R/W
2725	DI19EV1JB2	DI 19 event 1 job 2 *6	0	65535	R/W
2726	DI20EV1JB2	DI 20 event 1 job 2 *6	0	65535	R/W
2727	DI21EV1JB2	DI 21 event 1 job 2 *6	0	65535	R/W
2728	DI22EV1JB2	DI 22 event 1 job 2 *6	0	65535	R/W
2729	DI23EV1JB2	DI 23 event 1 job 2 *6	0	65535	R/W
2730	DI24EV1JB2	DI 24 event 1 job 2 *6	0	65535	R/W
2731	DI25EV1JB2	DI 25 event 1 job 2 *6	0	65535	R/W
2732	DI26EV1JB2	DI 26 event 1 job 2 *6	0	65535	R/W
2733	DI27EV1JB2	DI 27 event 1 job 2 *6	0	65535	R/W
2734	DI28EV1JB2	DI 28 event 1 job 2 *6	0	65535	R/W
2735	DI29EV1JB2	DI 29 event 1 job 2 *6	0	65535	R/W
2736	DI30EV1JB2	DI 30 event 1 job 2 *6	0	65535	R/W
2737	DI31EV1JB2	DI 31 event 1 job 2 *6	0	65535	R/W
2738	DI32EV1JB2	DI 32 event 1 job 2 *6	0	65535	R/W
2739	DI33EV1JB2	DI 33 event 1 job 2 *6	0	65535	R/W
2740	DI34EV1JB2	DI 34 event 1 job 2 *6	0	65535	R/W

2741	DI35EV1JB2	DI 35 event 1 job 2	*6	0	65535	R/W
2742	DI36EV1JB2	DI 36 event 1 job 2	*6	0	65535	R/W
2743	DI13EV1PM2	DI 13 event 1 job 2 parameter	*6	0	65535	R/W
2744	DI14EV1PM2	DI 14 event 1 job 2 parameter	*6	0	65535	R/W
2745	DI15EV1PM2	DI 15 event 1 job 2 parameter	*6	0	65535	R/W
2746	DI16EV1PM2	DI 16 event 1 job 2 parameter	*6	0	65535	R/W
2747	DI17EV1PM2	DI 17 event 1 job 2 parameter	*6	0	65535	R/W
2748	DI18EV1PM2	DI 18 event 1 job 2 parameter	*6	0	65535	R/W
2749	DI19EV1PM2	DI 19 event 1 job 2 parameter	*6	0	65535	R/W
2750	DI20EV1PM2	DI 20 event 1 job 2 parameter	*6	0	65535	R/W
2751	DI21EV1PM2	DI 21 event 1 job 2 parameter	*6	0	65535	R/W
2752	DI22EV1PM2	DI 22 event 1 job 2 parameter	*6	0	65535	R/W
2753	DI23EV1PM2	DI 23 event 1 job 2 parameter	*6	0	65535	R/W
2754	DI24EV1PM2	DI 24 event 1 job 2 parameter	*6	0	65535	R/W
2755	DI25EV1PM2	DI 25 event 1 job 2 parameter	*6	0	65535	R/W
2756	DI26EV1PM2	DI 26 event 1 job 2 parameter	*6	0	65535	R/W
2757	DI27EV1PM2	DI 27 event 1 job 2 parameter	*6	0	65535	R/W
2758	DI28EV1PM2	DI 28 event 1 job 2 parameter	*6	0	65535	R/W
2759	DI29EV1PM2	DI 29 event 1 job 2 parameter	*6	0	65535	R/W
2760	DI30EV1PM2	DI 30 event 1 job 2 parameter	*6	0	65535	R/W
2761	DI31EV1PM2	DI 31 event 1 job 2 parameter	*6	0	65535	R/W
2762	DI32EV1PM2	DI 32 event 1 job 2 parameter	*6	0	65535	R/W
2763	DI33EV1PM2	DI 33 event 1 job 2 parameter	*6	0	65535	R/W
2764	DI34EV1PM2	DI 34 event 1 job 2 parameter	*6	0	65535	R/W
2765	DI35EV1PM2	DI 35 event 1 job 2 parameter	*6	0	65535	R/W
2766	DI36EV1PM2	DI 26 event 1 job 2 parameter	*6	0	65535	R/W
2767	DI13EV2TP	DI 13 event 2 type	*6	0	65535	R/W
2768	DI14EV2TP	DI 14 event 2 type	*6	0	65535	R/W
2769	DI15EV2TP	DI 15 event 2 type	*6	0	65535	R/W
2770	DI16EV2TP	DI 16 event 2 type	*6	0	65535	R/W
2771	DI17EV2TP	DI 17 event 2 type	*6	0	65535	R/W
2772	DI18EV2TP	DI 18 event 2 type	*6	0	65535	R/W
2773	DI19EV2TP	DI 19 event 2 type	*6	0	65535	R/W
2774	DI20EV2TP	DI 20 event 2 type	*6	0	65535	R/W
2775	DI21EV2TP	DI 21 event 2 type	*6	0	65535	R/W
2776	DI22EV2TP	DI 22 event 2 type	*6	0	65535	R/W
2777	DI23EV2TP	DI 23 event 2 type	*6	0	65535	R/W
2778	DI24EV2TP	DI 24 event 2 type	*6	0	65535	R/W
2779	DI25EV2TP	DI 25 event 2 type	*6	0	65535	R/W
2780	DI26EV2TP	DI 26 event 2 type	*6	0	65535	R/W
2781	DI27EV2TP	DI 27 event 2 type	*6	0	65535	R/W
2782	DI28EV2TP	DI 28 event 2 type	*6	0	65535	R/W
2783	DI29EV2TP	DI 29 event 2 type	*6	0	65535	R/W
2784	DI30EV2TP	DI 30 event 2 type	*6	0	65535	R/W
2785	DI31EV2TP	DI 31 event 2 type	*6	0	65535	R/W
2786	DI32EV2TP	DI 32 event 2 type	*6	0	65535	R/W
2787	DI33EV2TP	DI 33 event 2 type	*6	0	65535	R/W
2788	DI34EV2TP	DI 34 event 2 type	*6	0	65535	R/W
2789	DI35EV2TP	DI 35 event 2 type	*6	0	65535	R/W

2790	DI36EV2TP	DI 36 event 2 type	*6	0	65535	R/W
2791	DI13EV2JB1	DI 13 event 2 job 1	*6	0	65535	R/W
2792	DI14EV2JB1	DI 14 event 2 job 1	*6	0	65535	R/W
2793	DI15EV2JB1	DI 15 event 2 job 1	*6	0	65535	R/W
2794	DI16EV2JB1	DI 16 event 2 job 1	*6	0	65535	R/W
2795	DI17EV2JB1	DI 17 event 2 job 1	*6	0	65535	R/W
2796	DI18EV2JB1	DI 18 event 2 job 1	*6	0	65535	R/W
2797	DI19EV2JB1	DI 19 event 2 job 1	*6	0	65535	R/W
2798	DI20EV2JB1	DI 20 event 2 job 1	*6	0	65535	R/W
2799	DI21EV2JB1	DI 21 event 2 job 1	*6	0	65535	R/W
2800	DI22EV2JB1	DI 22 event 2 job 1	*6	0	65535	R/W
2801	DI23EV2JB1	DI 23 event 2 job 1	*6	0	65535	R/W
2802	DI24EV2JB1	DI 24 event 2 job 1	*6	0	65535	R/W
2803	DI25EV2JB1	DI 25 event 2 job 1	*6	0	65535	R/W
2804	DI26EV2JB1	DI 26 event 2 job 1	*6	0	65535	R/W
2805	DI27EV2JB1	DI 27 event 2 job 1	*6	0	65535	R/W
2806	DI28EV2JB1	DI 28 event 2 job 1	*6	0	65535	R/W
2807	DI29EV2JB1	DI 29 event 2 job 1	*6	0	65535	R/W
2808	DI30EV2JB1	DI 30 event 2 job 1	*6	0	65535	R/W
2809	DI31EV2JB1	DI 31 event 2 job 1	*6	0	65535	R/W
2810	DI32EV2JB1	DI 32 event 2 job 1	*6	0	65535	R/W
2811	DI33EV2JB1	DI 33 event 2 job 1	*6	0	65535	R/W
2812	DI34EV2JB1	DI 34 event 2 job 1	*6	0	65535	R/W
2813	DI35EV2JB1	DI 35 event 2 job 1	*6	0	65535	R/W
2814	DI36EV2JB1	DI 36 event 2 job 1	*6	0	65535	R/W
2815	DI13EV2PM1	DI 13 event 2 job 1 parameter	*6	0	65535	R/W
2816	DI14EV2PM1	DI 14 event 2 job 1 parameter	*6	0	65535	R/W
2817	DI15EV2PM1	DI 15 event 2 job 1 parameter	*6	0	65535	R/W
2818	DI16EV2PM1	DI 16 event 2 job 1 parameter	*6	0	65535	R/W
2819	DI17EV2PM1	DI 17 event 2 job 1 parameter	*6	0	65535	R/W
2820	DI18EV2PM1	DI 18 event 2 job 1 parameter	*6	0	65535	R/W
2821	DI19EV2PM1	DI 19 event 2 job 1 parameter	*6	0	65535	R/W
2822	DI20EV2PM1	DI 20 event 2 job 1 parameter	*6	0	65535	R/W
2823	DI21EV2PM1	DI 21 event 2 job 1 parameter	*6	0	65535	R/W
2824	DI22EV2PM1	DI 22 event 2 job 1 parameter	*6	0	65535	R/W
2825	DI23EV2PM1	DI 23 event 2 job 1 parameter	*6	0	65535	R/W
2826	DI24EV2PM1	DI 24 event 2 job 1 parameter	*6	0	65535	R/W
2827	DI25EV2PM1	DI 25 event 2 job 1 parameter	*6	0	65535	R/W
2828	DI26EV2PM1	DI 26 event 2 job 1 parameter	*6	0	65535	R/W
2829	DI27EV2PM1	DI 27 event 2 job 1 parameter	*6	0	65535	R/W
2830	DI28EV2PM1	DI 28 event 2 job 1 parameter	*6	0	65535	R/W
2831	DI29EV2PM1	DI 29 event 2 job 1 parameter	*6	0	65535	R/W
2832	DI30EV2PM1	DI 30 event 2 job 1 parameter	*6	0	65535	R/W
2833	DI31EV2PM1	DI 31 event 2 job 1 parameter	*6	0	65535	R/W
2834	DI32EV2PM1	DI 32 event 2 job 1 parameter	*6	0	65535	R/W
2835	DI33EV2PM1	DI 33 event 2 job 1 parameter	*6	0	65535	R/W
2836	DI34EV2PM1	DI 34 event 2 job 1 parameter	*6	0	65535	R/W
2837	DI35EV2PM1	DI 35 event 2 job 1 parameter	*6	0	65535	R/W
2838	DI36EV2PM1	DI 36 event 2 job 1 parameter	*6	0	65535	R/W

2839	DI13EV2JB2	DI 13 event 2 job 2	*6	0	65535	R/W
2840	DI14EV2JB2	DI 14 event 2 job 2	*6	0	65535	R/W
2841	DI15EV2JB2	DI 15 event 2 job 2	*6	0	65535	R/W
2842	DI16EV2JB2	DI 16 event 2 job 2	*6	0	65535	R/W
2843	DI17EV2JB2	DI 17 event 2 job 2	*6	0	65535	R/W
2844	DI18EV2JB2	DI 18 event 2 job 2	*6	0	65535	R/W
2845	DI19EV2JB2	DI 19 event 2 job 2	*6	0	65535	R/W
2846	DI20EV2JB2	DI 20 event 2 job 2	*6	0	65535	R/W
2847	DI21EV2JB2	DI 21 event 2 job 2	*6	0	65535	R/W
2848	DI22EV2JB2	DI 22 event 2 job 2	*6	0	65535	R/W
2849	DI23EV2JB2	DI 23 event 2 job 2	*6	0	65535	R/W
2850	DI24EV2JB2	DI 24 event 2 job 2	*6	0	65535	R/W
2851	DI25EV2JB2	DI 25 event 2 job 2	*6	0	65535	R/W
2852	DI26EV2JB2	DI 26 event 2 job 2	*6	0	65535	R/W
2853	DI27EV2JB2	DI 27 event 2 job 2	*6	0	65535	R/W
2854	DI28EV2JB2	DI 28 event 2 job 2	*6	0	65535	R/W
2855	DI29EV2JB2	DI 29 event 2 job 2	*6	0	65535	R/W
2856	DI30EV2JB2	DI 30 event 2 job 2	*6	0	65535	R/W
2857	DI31EV2JB2	DI 31 event 2 job 2	*6	0	65535	R/W
2858	DI32EV2JB2	DI 32 event 2 job 2	*6	0	65535	R/W
2859	DI33EV2JB2	DI 33 event 2 job 2	*6	0	65535	R/W
2860	DI34EV2JB2	DI 34 event 2 job 2	*6	0	65535	R/W
2861	DI35EV2JB2	DI 35 event 2 job 2	*6	0	65535	R/W
2862	DI36EV2JB2	DI 36 event 2 job 2	*6	0	65535	R/W
2863	DI13EV2PM2	DI 13 event 2 job 2 parameter	*6	0	65535	R/W
2864	DI14EV2PM2	DI 14 event 2 job 2 parameter	*6	0	65535	R/W
2865	DI15EV2PM2	DI 15 event 2 job 2 parameter	*6	0	65535	R/W
2866	DI16EV2PM2	DI 16 event 2 job 2 parameter	*6	0	65535	R/W
2867	DI17EV2PM2	DI 17 event 2 job 2 parameter	*6	0	65535	R/W
2868	DI18EV2PM2	DI 18 event 2 job 2 parameter	*6	0	65535	R/W
2869	DI19EV2PM2	DI 19 event 2 job 2 parameter	*6	0	65535	R/W
2870	DI20EV2PM2	DI 20 event 2 job 2 parameter	*6	0	65535	R/W
2871	DI21EV2PM2	DI 21 event 2 job 2 parameter	*6	0	65535	R/W
2872	DI22EV2PM2	DI 22 event 2 job 2 parameter	*6	0	65535	R/W
2873	DI23EV2PM2	DI 23 event 2 job 2 parameter	*6	0	65535	R/W
2874	DI24EV2PM2	DI 24 event 2 job 2 parameter	*6	0	65535	R/W
2875	DI25EV2PM2	DI 25 event 2 job 2 parameter	*6	0	65535	R/W
2876	DI26EV2PM2	DI 26 event 2 job 2 parameter	*6	0	65535	R/W
2877	DI27EV2PM2	DI 27 event 2 job 2 parameter	*6	0	65535	R/W
2878	DI28EV2PM2	DI 28 event 2 job 2 parameter	*6	0	65535	R/W
2879	DI29EV2PM2	DI 29 event 2 job 2 parameter	*6	0	65535	R/W
2880	DI30EV2PM2	DI 30 event 2 job 2 parameter	*6	0	65535	R/W
2881	DI31EV2PM2	DI 31 event 2 job 2 parameter	*6	0	65535	R/W
2882	DI32EV2PM2	DI 32 event 2 job 2 parameter	*6	0	65535	R/W
2883	DI33EV2PM2	DI 33 event 2 job 2 parameter	*6	0	65535	R/W
2884	DI34EV2PM2	DI 34 event 2 job 2 parameter	*6	0	65535	R/W
2885	DI35EV2PM2	DI 35 event 2 job 2 parameter	*6	0	65535	R/W
2886	DI36EV2PM2	DI 36 event 2 job 2 parameter	*6	0	65535	R/W
2887	INDG1	Instrument default gateway digital 1~2 *6		0	65535	R

2888	INDG2	Instrument default gateway digital 3~4 *6	0	65535	R
2889	INSMEN	Instrument summer time enable *6	0	65535	R/W
2890	INSMSM	Instrument summer time start month *6	0	65535	R/W
2891	INSMSD	Instrument summer time start day *6	0	65535	R/W
2892	INSMEM	Instrument summer time end month *6	0	65535	R/W
2893	INSMED	Instrument summer time end day *6	0	65535	R/W
2894	INSTMT	Instrument set clock month *6	0	65535	W
2895	INSTDY	Instrument set clock day *6	0	65535	W
2896	INSTYR	Instrument set clock year *6	0	65535	W
2897	INSTHR	Instrument set clock hour *6	0	65535	W
2898	INSTMN	Instrument set clock minute *6	0	65535	W
2899	INSTSD	Instrument set clock second *6	0	65535	W
2900	AI1RL	AI1 range low *6	-1999.9	4553.6	R/W
2901	AI2RL	AI2 range low *6	-1999.9	4553.6	R/W
2902	AI3RL	AI3 range low *6	-1999.9	4553.6	R/W
2903	AI4RL	AI4 range low *6	-1999.9	4553.6	R/W
2904	AI5RL	AI5 range low *6	-1999.9	4553.6	R/W
2905	AI6RL	AI6 range low *6	-1999.9	4553.6	R/W
2906	AI7RL	AI7 range low *6	-1999.9	4553.6	R/W
2907	AI8RL	AI8 range low *6	-1999.9	4553.6	R/W
2908	AI9RL	AI9 range low *6	-1999.9	4553.6	R/W
2909	AI10RL	AI10 range low *6	-1999.9	4553.6	R/W
2910	AI11RL	AI11 range low *6	-1999.9	4553.6	R/W
2911	AI12RL	AI12 range low *6	-1999.9	4553.6	R/W
2912	AI13RL	AI13 range low *6	-1999.9	4553.6	R/W
2913	AI14RL	AI14 range low *6	-1999.9	4553.6	R/W
2914	AI15RL	AI15 range low *6	-1999.9	4553.6	R/W
2915	AI16RL	AI16 range low *6	-1999.9	4553.6	R/W
2916	AI17RL	AI17 range low *6	-1999.9	4553.6	R/W
2917	AI18RL	AI18 range low *6	-1999.9	4553.6	R/W
2918	AI1RH	AI1 range high *6	-1999.9	4553.6	R/W
2919	AI2RH	AI2 range high *6	-1999.9	4553.6	R/W
2920	AI3RH	AI3 range high *6	-1999.9	4553.6	R/W
2921	AI4RH	AI4 range high *6	-1999.9	4553.6	R/W
2922	AI5RH	AI5 range high *6	-1999.9	4553.6	R/W
2923	AI6RH	AI6 range high *6	-1999.9	4553.6	R/W
2924	AI7RH	AI7 range high *6	-1999.9	4553.6	R/W
2925	AI8RH	AI8 range high *6	-1999.9	4553.6	R/W
2926	AI9RH	AI9 range high *6	-1999.9	4553.6	R/W
2927	AI10RH	AI10 range high *6	-1999.9	4553.6	R/W
2928	AI11RH	AI11 range high *6	-1999.9	4553.6	R/W
2929	AI12RH	AI12 range high *6	-1999.9	4553.6	R/W
2930	AI13RH	AI13 range high *6	-1999.9	4553.6	R/W
2931	AI14RH	AI14 range high *6	-1999.9	4553.6	R/W
2932	AI15RH	AI15 range high *6	-1999.9	4553.6	R/W
2933	AI16RH	AI16 range high *6	-1999.9	4553.6	R/W
2934	AI17RH	AI17 range high *6	-1999.9	4553.6	R/W
2935	AI18RH	AI18 range high *6	-1999.9	4553.6	R/W
2936	TZ1EV1SPH	Totalizer 1 event 1 set point high word *7	*4	*4	R/W

2937	TZ1EV1SPL	Totalizer 1 event 1 set point low word	*7	*4	*4	R/W
2938	TZ2EV1SPH	Totalizer 2 event 1 set point high word	*7	*4	*4	R/W
2939	TZ2EV1SPL	Totalizer 2 event 1 set point low word	*7	*4	*4	R/W
2940	TZ3EV1SPH	Totalizer 3 event 1 set point high word	*7	*4	*4	R/W
2941	TZ3EV1SPL	Totalizer 3 event 1 set point low word	*7	*4	*4	R/W
2942	TZ4EV1SPH	Totalizer 4 event 1 set point high word	*7	*4	*4	R/W
2943	TZ4EV1SPL	Totalizer 4 event 1 set point low word	*7	*4	*4	R/W
2944	TZ5EV1SPH	Totalizer 5 event 1 set point high word	*7	*4	*4	R/W
2945	TZ5EV1SPL	Totalizer 5 event 1 set point low word	*7	*4	*4	R/W
2946	TZ6EV1SPH	Totalizer 6 event 1 set point high word	*7	*4	*4	R/W
2947	TZ6EV1SPL	Totalizer 6 event 1 set point low word	*7	*4	*4	R/W
2948	TZ1EV2SPH	Totalizer 1 event 2 set point high word	*7	*4	*4	R/W
2949	TZ1EV2SPL	Totalizer 1 event 2 set point low word	*7	*4	*4	R/W
2950	TZ2EV2SPH	Totalizer 2 event 2 set point high word	*7	*4	*4	R/W
2951	TZ2EV2SPL	Totalizer 2 event 2 set point low word	*7	*4	*4	R/W
2952	TZ3EV2SPH	Totalizer 3 event 2 set point high word	*7	*4	*4	R/W
2953	TZ3EV2SPL	Totalizer 3 event 2 set point low word	*7	*4	*4	R/W
2954	TZ4EV2SPH	Totalizer 4 event 2 set point high word	*7	*4	*4	R/W
2955	TZ4EV2SPL	Totalizer 4 event 2 set point low word	*7	*4	*4	R/W
2956	TZ5EV2SPH	Totalizer 5 event 2 set point high word	*7	*4	*4	R/W
2957	TZ5EV2SPL	Totalizer 5 event 2 set point low word	*7	*4	*4	R/W
2958	TZ6EV2SPH	Totalizer 6 event 2 set point high word	*7	*4	*4	R/W
2959	TZ6EV2SPL	Totalizer 6 event 2 set point low word	*7	*4	*4	R/W
2960	SC1UR1	Security 1 user ID char 1~2	*8	0	65535	R/W
2961	SC1UR2	Security 1 user ID char 3~4	*8	0	65535	R/W
2962	SC1UR3	Security 1 user ID char 5~6	*8	0	65535	R/W
2963	SC1UR4	Security 1 user ID char 7~8	*8	0	65535	R/W
2964	SC2UR1	Security 2 user ID char 1~2	*8	0	65535	R/W
2965	SC2UR2	Security 2 user ID char 3~4	*8	0	65535	R/W
2966	SC2UR3	Security 2 user ID char 5~6	*8	0	65535	R/W
2967	SC2UR4	Security 2 user ID char 7~8	*8	0	65535	R/W
2968	SC3UR1	Security 3 user ID char 1~2	*8	0	65535	R/W
2969	SC3UR2	Security 3 user ID char 3~4	*8	0	65535	R/W
2970	SC3UR3	Security 3 user ID char 5~6	*8	0	65535	R/W
2971	SC3UR4	Security 3 user ID char 7~8	*8	0	65535	R/W
2972	SC4UR1	Security 4 user ID char 1~2	*8	0	65535	R/W
2973	SC4UR2	Security 4 user ID char 3~4	*8	0	65535	R/W
2974	SC4UR3	Security 4 user ID char 5~6	*8	0	65535	R/W
2975	SC4UR4	Security 4 user ID char 7~8	*8	0	65535	R/W
2976	SC5UR1	Security 5 user ID char 1~2	*8	0	65535	R/W
2977	SC5UR2	Security 5 user ID char 3~4	*8	0	65535	R/W
2978	SC5UR3	Security 5 user ID char 5~6	*8	0	65535	R/W
2979	SC5UR4	Security 5 user ID char 7~8	*8	0	65535	R/W
2980	SC6UR1	Security 6 user ID char 1~2	*8	0	65535	R/W
2981	SC6UR2	Security 6 user ID char 3~4	*8	0	65535	R/W
2982	SC6UR3	Security 6 user ID char 5~6	*8	0	65535	R/W
2983	SC6UR4	Security 6 user ID char 7~8	*8	0	65535	R/W
2984	SC7UR1	Security 7 user ID char 1~2	*8	0	65535	R/W
2985	SC7UR2	Security 7 user ID char 3~4	*8	0	65535	R/W

2986	SC7UR3	Security 7 user ID char 5~6	*8	0	65535	R/W
2987	SC7UR4	Security 7 user ID char 7~8	*8	0	65535	R/W
2988	SC8UR1	Security 8 user ID char 1~2	*8	0	65535	R/W
2989	SC8UR2	Security 8 user ID char 3~4	*8	0	65535	R/W
2990	SC8UR3	Security 8 user ID char 5~6	*8	0	65535	R/W
2991	SC8UR4	Security 8 user ID char 7~8	*8	0	65535	R/W
2992	SC9UR1	Security 9 user ID char 1~2	*8	0	65535	R/W
2993	SC9UR2	Security 9 user ID char 3~4	*8	0	65535	R/W
2994	SC9UR3	Security 9 user ID char 5~6	*8	0	65535	R/W
2995	SC9UR4	Security 9 user ID char 7~8	*8	0	65535	R/W
2996	SC10UR1	Security 10 user ID char 1~2	*8	0	65535	R/W
2997	SC10UR2	Security 10 user ID char 3~4	*8	0	65535	R/W
2998	SC10UR3	Security 10 user ID char 5~6	*8	0	65535	R/W
2999	SC10UR4	Security 10 user ID char 7~8	*8	0	65535	R/W
3000	SC11UR1	Security 11 user ID char 1~2	*8	0	65535	R/W
3001	SC11UR2	Security 11 user ID char 3~4	*8	0	65535	R/W
3002	SC11UR3	Security 11 user ID char 5~6	*8	0	65535	R/W
3003	SC11UR4	Security 11 user ID char 7~8	*8	0	65535	R/W
3004	SC12UR1	Security 12 user ID char 1~2	*8	0	65535	R/W
3005	SC12UR2	Security 12 user ID char 3~4	*8	0	65535	R/W
3006	SC12UR3	Security 12 user ID char 5~6	*8	0	65535	R/W
3007	SC12UR4	Security 12 user ID char 7~8	*8	0	65535	R/W
3008	SC13UR1	Security 13 user ID char 1~2	*8	0	65535	R/W
3009	SC13UR2	Security 13 user ID char 3~4	*8	0	65535	R/W
3010	SC13UR3	Security 13 user ID char 5~6	*8	0	65535	R/W
3011	SC13UR4	Security 13 user ID char 7~8	*8	0	65535	R/W
3012	SC14UR1	Security 14 user ID char 1~2	*8	0	65535	R/W
3013	SC14UR2	Security 14 user ID char 3~4	*8	0	65535	R/W
3014	SC14UR3	Security 14 user ID char 5~6	*8	0	65535	R/W
3015	SC14UR4	Security 14 user ID char 7~8	*8	0	65535	R/W
3016	SC15UR1	Security 15 user ID char 1~2	*8	0	65535	R/W
3017	SC15UR2	Security 15 user ID char 3~4	*8	0	65535	R/W
3018	SC15UR3	Security 15 user ID char 5~6	*8	0	65535	R/W
3019	SC15UR4	Security 15 user ID char 7~8	*8	0	65535	R/W
3020	SC16UR1	Security 16 user ID char 1~2	*8	0	65535	R/W
3021	SC16UR2	Security 16 user ID char 3~4	*8	0	65535	R/W
3022	SC16UR3	Security 16 user ID char 5~6	*8	0	65535	R/W
3023	SC16UR4	Security 16 user ID char 7~8	*8	0	65535	R/W
3024	SC17UR1	Security 17 user ID char 1~2	*8	0	65535	R/W
3025	SC17UR2	Security 17 user ID char 3~4	*8	0	65535	R/W
3026	SC17UR3	Security 17 user ID char 5~6	*8	0	65535	R/W
3027	SC17UR4	Security 17 user ID char 7~8	*8	0	65535	R/W
3028	SC18UR1	Security 18 user ID char 1~2	*8	0	65535	R/W
3029	SC18UR2	Security 18 user ID char 3~4	*8	0	65535	R/W
3030	SC18UR3	Security 18 user ID char 5~6	*8	0	65535	R/W
3031	SC18UR4	Security 18 user ID char 7~8	*8	0	65535	R/W
3032	SC19UR1	Security 19 user ID char 1~2	*8	0	65535	R/W
3033	SC19UR2	Security 19 user ID char 3~4	*8	0	65535	R/W
3034	SC19UR3	Security 19 user ID char 5~6	*8	0	65535	R/W

3035	SC19UR4	Security 19 user ID char 7~8	*8	0	65535	R/W
3036	SC20UR1	Security 20 user ID char 1~2	*8	0	65535	R/W
3037	SC20UR2	Security 20 user ID char 3~4	*8	0	65535	R/W
3038	SC20UR3	Security 20 user ID char 5~6	*8	0	65535	R/W
3039	SC20UR4	Security 20 user ID char 7~8	*8	0	65535	R/W
3040	SC21UR1	Security 21 user ID char 1~2	*8	0	65535	R/W
3041	SC21UR2	Security 21 user ID char 3~4	*8	0	65535	R/W
3042	SC21UR3	Security 21 user ID char 5~6	*8	0	65535	R/W
3043	SC21UR4	Security 21 user ID char 7~8	*8	0	65535	R/W
3044	SC22UR1	Security 22 user ID char 1~2	*8	0	65535	R/W
3045	SC22UR2	Security 22 user ID char 3~4	*8	0	65535	R/W
3046	SC22UR3	Security 22 user ID char 5~6	*8	0	65535	R/W
3047	SC22UR4	Security 22 user ID char 7~8	*8	0	65535	R/W
3048	SC23UR1	Security 23 user ID char 1~2	*8	0	65535	R/W
3049	SC23UR2	Security 23 user ID char 3~4	*8	0	65535	R/W
3050	SC23UR3	Security 23 user ID char 5~6	*8	0	65535	R/W
3051	SC23UR4	Security 23 user ID char 7~8	*8	0	65535	R/W
3052	SC24UR1	Security 24 user ID char 1~2	*8	0	65535	R/W
3053	SC24UR2	Security 24 user ID char 3~4	*8	0	65535	R/W
3054	SC24UR3	Security 24 user ID char 5~6	*8	0	65535	R/W
3055	SC24UR4	Security 24 user ID char 7~8	*8	0	65535	R/W
3056	SC25UR1	Security 25 user ID char 1~2	*8	0	65535	R/W
3057	SC25UR2	Security 25 user ID char 3~4	*8	0	65535	R/W
3058	SC25UR3	Security 25 user ID char 5~6	*8	0	65535	R/W
3059	SC25UR4	Security 25 user ID char 7~8	*8	0	65535	R/W
3060	SC26UR1	Security 26 user ID char 1~2	*8	0	65535	R/W
3061	SC26UR2	Security 26 user ID char 3~4	*8	0	65535	R/W
3062	SC26UR3	Security 26 user ID char 5~6	*8	0	65535	R/W
3063	SC26UR4	Security 26 user ID char 7~8	*8	0	65535	R/W
3064	SC27UR1	Security 27 user ID char 1~2	*8	0	65535	R/W
3065	SC27UR2	Security 27 user ID char 3~4	*8	0	65535	R/W
3066	SC27UR3	Security 27 user ID char 5~6	*8	0	65535	R/W
3067	SC27UR4	Security 27 user ID char 7~8	*8	0	65535	R/W
3068	SC28UR1	Security 28 user ID char 1~2	*8	0	65535	R/W
3069	SC28UR2	Security 28 user ID char 3~4	*8	0	65535	R/W
3070	SC28UR3	Security 28 user ID char 5~6	*8	0	65535	R/W
3071	SC28UR4	Security 28 user ID char 7~8	*8	0	65535	R/W
3072	SC29UR1	Security 29 user ID char 1~2	*8	0	65535	R/W
3073	SC29UR2	Security 29 user ID char 3~4	*8	0	65535	R/W
3074	SC29UR3	Security 29 user ID char 5~6	*8	0	65535	R/W
3075	SC29UR4	Security 29 user ID char 7~8	*8	0	65535	R/W
3076	SC30UR1	Security 30 user ID char 1~2	*8	0	65535	R/W
3077	SC30UR2	Security 30 user ID char 3~4	*8	0	65535	R/W
3078	SC30UR3	Security 30 user ID char 5~6	*8	0	65535	R/W
3079	SC30UR4	Security 30 user ID char 7~8	*8	0	65535	R/W
3080	SC1PW1	Security 1 Password char 1~2	*8	0	65535	R/W
3081	SC1PW2	Security 1 Password char 3~4	*8	0	65535	R/W
3082	SC1PW3	Security 1 Password char 5~6	*8	0	65535	R/W
3083	SC1PW4	Security 1 Password char 7~8	*8	0	65535	R/W

3084	SC2PW1	Security 2 Password char 1~2	*8	0	65535	R/W
3085	SC2PW2	Security 2 Password char 3~4	*8	0	65535	R/W
3086	SC2PW3	Security 2 Password char 5~6	*8	0	65535	R/W
3087	SC2PW4	Security 2 Password char 7~8	*8	0	65535	R/W
3088	SC3PW1	Security 3 Password char 1~2	*8	0	65535	R/W
3089	SC3PW2	Security 3 Password char 3~4	*8	0	65535	R/W
3090	SC3PW3	Security 3 Password char 5~6	*8	0	65535	R/W
3091	SC3PW4	Security 3 Password char 7~8	*8	0	65535	R/W
3092	SC4PW1	Security 4 Password char 1~2	*8	0	65535	R/W
3093	SC4PW2	Security 4 Password char 3~4	*8	0	65535	R/W
3094	SC4PW3	Security 4 Password char 5~6	*8	0	65535	R/W
3095	SC4PW4	Security 4 Password char 7~8	*8	0	65535	R/W
3096	SC5PW1	Security 5 Password char 1~2	*8	0	65535	R/W
3097	SC5PW2	Security 5 Password char 3~4	*8	0	65535	R/W
3098	SC5PW3	Security 5 Password char 5~6	*8	0	65535	R/W
3099	SC5PW4	Security 5 Password char 7~8	*8	0	65535	R/W
3100	SC6PW1	Security 6 Password char 1~2	*8	0	65535	R/W
3101	SC6PW2	Security 6 Password char 3~4	*8	0	65535	R/W
3102	SC6PW3	Security 6 Password char 5~6	*8	0	65535	R/W
3103	SC6PW4	Security 6 Password char 7~8	*8	0	65535	R/W
3104	SC7PW1	Security 7 Password char 1~2	*8	0	65535	R/W
3105	SC7PW2	Security 7 Password char 3~4	*8	0	65535	R/W
3106	SC7PW3	Security 7 Password char 5~6	*8	0	65535	R/W
3107	SC7PW4	Security 7 Password char 7~8	*8	0	65535	R/W
3108	SC8PW1	Security 8 Password char 1~2	*8	0	65535	R/W
3109	SC8PW2	Security 8 Password char 3~4	*8	0	65535	R/W
3110	SC8PW3	Security 8 Password char 5~6	*8	0	65535	R/W
3111	SC8PW4	Security 8 Password char 7~8	*8	0	65535	R/W
3112	SC9PW1	Security 9 Password char 1~2	*8	0	65535	R/W
3113	SC9PW2	Security 9 Password char 3~4	*8	0	65535	R/W
3114	SC9PW3	Security 9 Password char 5~6	*8	0	65535	R/W
3115	SC9PW4	Security 9 Password char 7~8	*8	0	65535	R/W
3116	SC10PW1	Security 10 Password char 1~2	*8	0	65535	R/W
3117	SC10PW2	Security 10 Password char 3~4	*8	0	65535	R/W
3118	SC10PW3	Security 10 Password char 5~6	*8	0	65535	R/W
3119	SC10PW4	Security 10 Password char 7~8	*8	0	65535	R/W
3120	SC11PW1	Security 11 Password char 1~2	*8	0	65535	R/W
3121	SC11PW2	Security 11 Password char 3~4	*8	0	65535	R/W
3122	SC11PW3	Security 11 Password char 5~6	*8	0	65535	R/W
3123	SC11PW4	Security 11 Password char 7~8	*8	0	65535	R/W
3124	SC12PW1	Security 12 Password char 1~2	*8	0	65535	R/W
3125	SC12PW2	Security 12 Password char 3~4	*8	0	65535	R/W
3126	SC12PW3	Security 12 Password char 5~6	*8	0	65535	R/W
3127	SC12PW4	Security 12 Password char 7~8	*8	0	65535	R/W
3128	SC13PW1	Security 13 Password char 1~2	*8	0	65535	R/W
3129	SC13PW2	Security 13 Password char 3~4	*8	0	65535	R/W
3130	SC13PW3	Security 13 Password char 5~6	*8	0	65535	R/W
3131	SC13PW4	Security 13 Password char 7~8	*8	0	65535	R/W
3132	SC14PW1	Security 14 Password char 1~2	*8	0	65535	R/W

3133	SC14PW2	Security 14 Password char 3~4	*8	0	65535	R/W
3134	SC14PW3	Security 14 Password char 5~6	*8	0	65535	R/W
3135	SC14PW4	Security 14 Password char 7~8	*8	0	65535	R/W
3136	SC15PW1	Security 15 Password char 1~2	*8	0	65535	R/W
3137	SC15PW2	Security 15 Password char 3~4	*8	0	65535	R/W
3138	SC15PW3	Security 15 Password char 5~6	*8	0	65535	R/W
3139	SC15PW4	Security 15 Password char 7~8	*8	0	65535	R/W
3140	SC16PW1	Security 16 Password char 1~2	*8	0	65535	R/W
3141	SC16PW2	Security 16 Password char 3~4	*8	0	65535	R/W
3142	SC16PW3	Security 16 Password char 5~6	*8	0	65535	R/W
3143	SC16PW4	Security 16 Password char 7~8	*8	0	65535	R/W
3144	SC17PW1	Security 17 Password char 1~2	*8	0	65535	R/W
3145	SC17PW2	Security 17 Password char 3~4	*8	0	65535	R/W
3146	SC17PW3	Security 17 Password char 5~6	*8	0	65535	R/W
3147	SC17PW4	Security 17 Password char 7~8	*8	0	65535	R/W
3148	SC18PW1	Security 18 Password char 1~2	*8	0	65535	R/W
3149	SC18PW2	Security 18 Password char 3~4	*8	0	65535	R/W
3150	SC18PW3	Security 18 Password char 5~6	*8	0	65535	R/W
3151	SC18PW4	Security 18 Password char 7~8	*8	0	65535	R/W
3152	SC19PW1	Security 19 Password char 1~2	*8	0	65535	R/W
3153	SC19PW2	Security 19 Password char 3~4	*8	0	65535	R/W
3154	SC19PW3	Security 19 Password char 5~6	*8	0	65535	R/W
3155	SC19PW4	Security 19 Password char 7~8	*8	0	65535	R/W
3156	SC20PW1	Security 20 Password char 1~2	*8	0	65535	R/W
3157	SC20PW2	Security 20 Password char 3~4	*8	0	65535	R/W
3158	SC20PW3	Security 20 Password char 5~6	*8	0	65535	R/W
3159	SC20PW4	Security 20 Password char 7~8	*8	0	65535	R/W
3160	SC21PW1	Security 21 Password char 1~2	*8	0	65535	R/W
3161	SC21PW2	Security 21 Password char 3~4	*8	0	65535	R/W
3162	SC21PW3	Security 21 Password char 5~6	*8	0	65535	R/W
3163	SC21PW4	Security 21 Password char 7~8	*8	0	65535	R/W
3164	SC22PW1	Security 22 Password char 1~2	*8	0	65535	R/W
3165	SC22PW2	Security 22 Password char 3~4	*8	0	65535	R/W
3166	SC22PW3	Security 22 Password char 5~6	*8	0	65535	R/W
3167	SC22PW4	Security 22 Password char 7~8	*8	0	65535	R/W
3168	SC23PW1	Security 23 Password char 1~2	*8	0	65535	R/W
3169	SC23PW2	Security 23 Password char 3~4	*8	0	65535	R/W
3170	SC23PW3	Security 23 Password char 5~6	*8	0	65535	R/W
3171	SC23PW4	Security 23 Password char 7~8	*8	0	65535	R/W
3172	SC24PW1	Security 24 Password char 1~2	*8	0	65535	R/W
3173	SC24PW2	Security 24 Password char 3~4	*8	0	65535	R/W
3174	SC24PW3	Security 24 Password char 5~6	*8	0	65535	R/W
3175	SC24PW4	Security 24 Password char 7~8	*8	0	65535	R/W
3176	SC25PW1	Security 25 Password char 1~2	*8	0	65535	R/W
3177	SC25PW2	Security 25 Password char 3~4	*8	0	65535	R/W
3178	SC25PW3	Security 25 Password char 5~6	*8	0	65535	R/W
3179	SC25PW4	Security 25 Password char 7~8	*8	0	65535	R/W
3180	SC26PW1	Security 26 Password char 1~2	*8	0	65535	R/W
3181	SC26PW2	Security 26 Password har 3~4	*8	0	65535	R/W

3182	SC26PW3	Security 26 Password char 5~6	*8	0	65535	R/W
3183	SC26PW4	Security 26 Password char 7~8	*8	0	65535	R/W
3184	SC27PW1	Security 27 Password char 1~2	*8	0	65535	R/W
3185	SC27PW2	Security 27 Password char 3~4	*8	0	65535	R/W
3186	SC27PW3	Security 27 Password char 5~6	*8	0	65535	R/W
3187	SC27PW4	Security 27 Password char 7~8	*8	0	65535	R/W
3188	SC28PW1	Security 28 Password char 1~2	*8	0	65535	R/W
3189	SC28PW2	Security 28 Password char 3~4	*8	0	65535	R/W
3190	SC28PW3	Security 28 Password char 5~6	*8	0	65535	R/W
3191	SC28PW4	Security 28 Password char 7~8	*8	0	65535	R/W
3192	SC29PW1	Security 29 Password char 1~2	*8	0	65535	R/W
3193	SC29PW2	Security 29 Password char 3~4	*8	0	65535	R/W
3194	SC29PW3	Security 29 Password char 5~6	*8	0	65535	R/W
3195	SC29PW4	Security 29 Password char 7~8	*8	0	65535	R/W
3196	SC30PW1	Security 30 Password char 1~2	*8	0	65535	R/W
3197	SC30PW2	Security 30 Password char 3~4	*8	0	65535	R/W
3198	SC30PW3	Security 30 Password char 5~6	*8	0	65535	R/W
3199	SC30PW4	Security 30 Password char 7~8	*8	0	65535	R/W
3200	SC1LV	Security 1 level	*8	0	65535	R/W
3201	SC2LV	Security 2 level	*8	0	65535	R/W
3202	SC3LV	Security 3 level	*8	0	65535	R/W
3203	SC4LV	Security 4 level	*8	0	65535	R/W
3204	SC5LV	Security 5 level	*8	0	65535	R/W
3205	SC6LV	Security 6 level	*8	0	65535	R/W
3206	SC7LV	Security 7 level	*8	0	65535	R/W
3207	SC8LV	Security 8 level	*8	0	65535	R/W
3208	SC9LV	Security 9 level	*8	0	65535	R/W
3209	SC10LV	Security 10 level	*8	0	65535	R/W
3210	SC11LV	Security 11 level	*8	0	65535	R/W
3211	SC12LV	Security 12 level	*8	0	65535	R/W
3212	SC13LV	Security 13 level	*8	0	65535	R/W
3213	SC14LV	Security 14 level	*8	0	65535	R/W
3214	SC15LV	Security 15 level	*8	0	65535	R/W
3215	SC16LV	Security 16 level	*8	0	65535	R/W
3216	SC17LV	Security 17 level	*8	0	65535	R/W
3217	SC18LV	Security 18 level	*8	0	65535	R/W
3218	SC19LV	Security 19 level	*8	0	65535	R/W
3219	SC20LV	Security 20 level	*8	0	65535	R/W
3220	SC21LV	Security 21 level	*8	0	65535	R/W
3221	SC22LV	Security 22 level	*8	0	65535	R/W
3222	SC23LV	Security 23 level	*8	0	65535	R/W
3223	SC24LV	Security 24 level	*8	0	65535	R/W
3224	SC25LV	Security 25 level	*8	0	65535	R/W
3225	SC26LV	Security 26 level	*8	0	65535	R/W
3226	SC27LV	Security 27 level	*8	0	65535	R/W
3227	SC28LV	Security 28 level	*8	0	65535	R/W
3228	SC29LV	Security 29 level	*8	0	65535	R/W
3229	SC30LV	Security 30 level	*8	0	65535	R/W
3230	LOGUR1	Log user ID char 1~2	*9	0	65535	R/W

3231	LOGUR2	Log user ID char 3~4	*9	0	65535	R/W
3232	LOGUR3	Log user ID char 5~6	*9	0	65535	R/W
3233	LOGUR4	Log user ID char 7~8	*9	0	65535	R/W
3234	LOGPW1	Log Password char 1~2	*9	0	65535	R/W
3235	LOGPW2	Log Password char 3~4	*9	0	65535	R/W
3236	LOGPW3	Log Password char 5~6	*9	0	65535	R/W
3237	LOGPW4	Log Password char 7~8	*9	0	65535	R/W
3238	LOGST	Log status	*9	0	65535	R/W
3239	LOGRES	Log response	*9	0	65535	R/W
3240	TZ7NA1	Totalizer 7 name char 1~2		0	65535	R/W
3241	TZ7NA2	Totalizer 7 name char 3~4		0	65535	R/W
3242	TZ7NA3	Totalizer 7 name char 5~6		0	65535	R/W
3243	TZ8NA1	Totalizer 8 name char 1~2		0	65535	R/W
3244	TZ8NA2	Totalizer 8 name char 3~4		0	65535	R/W
3245	TZ8NA3	Totalizer 8 name char 5~6		0	65535	R/W
3246	TZ9NA1	Totalizer 9 name char 1~2		0	65535	R/W
3247	TZ9NA2	Totalizer 9 name char 3~4		0	65535	R/W
3248	TZ9NA3	Totalizer 9 name char 5~6		0	65535	R/W
3249	TZ10NA1	Totalizer 10 name char 1~2		0	65535	R/W
3250	TZ10NA2	Totalizer 10 name char 3~4		0	65535	R/W
3251	TZ10NA3	Totalizer 10 name char 5~6		0	65535	R/W
3252	TZ11NA1	Totalizer 11 name char 1~2		0	65535	R/W
3253	TZ11NA2	Totalizer 11 name char 3~4		0	65535	R/W
3254	TZ11NA3	Totalizer 11 name char 5~6		0	65535	R/W
3255	TZ12NA1	Totalizer 12 name char 1~2		0	65535	R/W
3256	TZ12NA2	Totalizer 12 name char 3~4		0	65535	R/W
3257	TZ12NA3	Totalizer 12 name char 5~6		0	65535	R/W
3258	TZ13NA1	Totalizer 13 name char 1~2		0	65535	R/W
3259	TZ13NA2	Totalizer 13 name char 3~4		0	65535	R/W
3260	TZ13NA3	Totalizer 13 name char 5~6		0	65535	R/W
3261	TZ14NA1	Totalizer 14 name char 1~2		0	65535	R/W
3262	TZ14NA2	Totalizer 14 name char 3~4		0	65535	R/W
3263	TZ14NA3	Totalizer 14 name char 5~6		0	65535	R/W
3264	TZ15NA1	Totalizer 15 name char 1~2		0	65535	R/W
3265	TZ15NA2	Totalizer 15 name char 3~4		0	65535	R/W
3266	TZ15NA3	Totalizer 15 name char 5~6		0	65535	R/W
3267	TZ16NA1	Totalizer 16 name char 1~2		0	65535	R/W
3268	TZ16NA2	Totalizer 16 name char 3~4		0	65535	R/W
3269	TZ16NA3	Totalizer 16 name char 5~6		0	65535	R/W
3270	TZ17NA1	Totalizer 17 name char 1~2		0	65535	R/W
3271	TZ17NA2	Totalizer 17 name char 3~4		0	65535	R/W
3272	TZ17NA3	Totalizer 17 name char 5~6		0	65535	R/W
3273	TZ18NA1	Totalizer 18 name char 1~2		0	65535	R/W
3274	TZ18NA2	Totalizer 18 name char 3~4		0	65535	R/W
3275	TZ18NA3	Totalizer 18 name char 5~6		0	65535	R/W
3276	TZ7SR	Totalizer 7 source		0	65535	R/W
3277	TZ8SR	Totalizer 8 source		0	65535	R/W
3278	TZ9SR	Totalizer 9 source		0	65535	R/W
3279	TZ10SR	Totalizer 10 source		0	65535	R/W

3280	TZ11SR	Totalizer 11 source	0	65535	R/W
3281	TZ12SR	Totalizer 12 source	0	65535	R/W
3282	TZ13SR	Totalizer 13 source	0	65535	R/W
3283	TZ14SR	Totalizer 14 source	0	65535	R/W
3284	TZ15SR	Totalizer 15 source	0	65535	R/W
3285	TZ16SR	Totalizer 16 source	0	65535	R/W
3286	TZ17SR	Totalizer 17 source	0	65535	R/W
3287	TZ18SR	Totalizer 18 source	0	65535	R/W
3288	TZ7AC	Totalizer 7 action	0	65535	R/W
3289	TZ8AC	Totalizer 8 action	0	65535	R/W
3290	TZ9AC	Totalizer 9 action	0	65535	R/W
3291	TZ10AC	Totalizer 10 action	0	65535	R/W
3292	TZ11AC	Totalizer 11 action	0	65535	R/W
3293	TZ12AC	Totalizer 12 action	0	65535	R/W
3294	TZ13AC	Totalizer 13 action	0	65535	R/W
3295	TZ14AC	Totalizer 14 action	0	65535	R/W
3296	TZ15AC	Totalizer 15 action	0	65535	R/W
3297	TZ16AC	Totalizer 16 action	0	65535	R/W
3298	TZ17AC	Totalizer 17 action	0	65535	R/W
3299	TZ18AC	Totalizer 18 action	0	65535	R/W
3300	TZ7DP	Totalizer 7 decimal point	0	65535	R/W
3301	TZ8DP	Totalizer 8 decimal point	0	65535	R/W
3302	TZ9DP	Totalizer 9 decimal point	0	65535	R/W
3303	TZ10DP	Totalizer 10 decimal point	0	65535	R/W
3304	TZ11DP	Totalizer 11 decimal point	0	65535	R/W
3305	TZ12DP	Totalizer 12 decimal point	0	65535	R/W
3306	TZ13DP	Totalizer 13 decimal point	0	65535	R/W
3307	TZ14DP	Totalizer 14 decimal point	0	65535	R/W
3308	TZ15DP	Totalizer 15 decimal point	0	65535	R/W
3309	TZ16DP	Totalizer 16 decimal point	0	65535	R/W
3310	TZ17DP	Totalizer 17 decimal point	0	65535	R/W
3311	TZ18DP	Totalizer 18 decimal point	0	65535	R/W
3312	TZ7PI	Totalizer 7 period	0	65535	R/W
3313	TZ8PI	Totalizer 8 period	0	65535	R/W
3314	TZ9PI	Totalizer 9 period	0	65535	R/W
3315	TZ10PI	Totalizer 10 period	0	65535	R/W
3316	TZ11PI	Totalizer 11 period	0	65535	R/W
3317	TZ12PI	Totalizer 12 period	0	65535	R/W
3318	TZ13PI	Totalizer 13 period	0	65535	R/W
3319	TZ14PI	Totalizer 14 period	0	65535	R/W
3320	TZ15PI	Totalizer 15 period	0	65535	R/W
3321	TZ16PI	Totalizer 16 period	0	65535	R/W
3322	TZ17PI	Totalizer 17 period	0	65535	R/W
3323	TZ18PI	Totalizer 18 period	0	65535	R/W
3324	TZ7UN1	Totalizer 7 unit char 1~2	0	65535	R/W
3325	TZ7UN2	Totalizer 7 unit char 3~4	0	65535	R/W
3326	TZ7UN3	Totalizer 7 unit char 5~6	0	65535	R/W
3327	TZ8UN1	Totalizer 8 unit char 1~2	0	65535	R/W
3328	TZ8UN2	Totalizer 8 unit char 3~4	0	65535	R/W

3329	TZ8UN3	Totalizer 8 unit char 5~6	0	65535	R/W
3330	TZ9UN1	Totalizer 9 unit char 1~2	0	65535	R/W
3331	TZ9UN2	Totalizer 9 unit char 3~4	0	65535	R/W
3332	TZ9UN3	Totalizer 9 unit char 5~6	0	65535	R/W
3333	TZ10UN1	Totalizer 10 unit char 1~2	0	65535	R/W
3334	TZ10UN2	Totalizer 10 unit char 3~4	0	65535	R/W
3335	TZ10UN3	Totalizer 10 unit char 5~6	0	65535	R/W
3336	TZ11UN1	Totalizer 11 unit char 1~2	0	65535	R/W
3337	TZ11UN2	Totalizer 11 unit char 3~4	0	65535	R/W
3338	TZ11UN3	Totalizer 11 unit char 5~6	0	65535	R/W
3339	TZ12UN1	Totalizer 12 unit char 1~2	0	65535	R/W
3340	TZ12UN2	Totalizer 12 unit char 3~4	0	65535	R/W
3341	TZ12UN3	Totalizer 12 unit char 5~6	0	65535	R/W
3342	TZ13UN1	Totalizer 13 unit char 1~2	0	65535	R/W
3343	TZ13UN2	Totalizer 13 unit char 3~4	0	65535	R/W
3344	TZ13UN3	Totalizer 13 unit char 5~6	0	65535	R/W
3345	TZ14UN1	Totalizer 14 unit char 1~2	0	65535	R/W
3346	TZ14UN2	Totalizer 14 unit char 3~4	0	65535	R/W
3347	TZ14UN3	Totalizer 14 unit char 5~6	0	65535	R/W
3348	TZ15UN1	Totalizer 15 unit char 1~2	0	65535	R/W
3349	TZ15UN2	Totalizer 15 unit char 3~4	0	65535	R/W
3350	TZ15UN3	Totalizer 15 unit char 5~6	0	65535	R/W
3351	TZ16UN1	Totalizer 16 unit char 1~2	0	65535	R/W
3352	TZ16UN2	Totalizer 16 unit char 3~4	0	65535	R/W
3353	TZ16UN3	Totalizer 16 unit char 5~6	0	65535	R/W
3354	TZ17UN1	Totalizer 17 unit char 1~2	0	65535	R/W
3355	TZ17UN2	Totalizer 17 unit char 3~4	0	65535	R/W
3356	TZ17UN3	Totalizer 17 unit char 5~6	0	65535	R/W
3357	TZ18UN1	Totalizer 18 unit char 1~2	0	65535	R/W
3358	TZ18UN2	Totalizer 18 unit char 3~4	0	65535	R/W
3359	TZ18UN3	Totalizer 18 unit char 5~6	0	65535	R/W
3360	TZ7PSH	Totalizer 7 preset hi word	*4	*4	R/W
3361	TZ7PSL	Totalizer 7 preset low word	*4	*4	R/W
3362	TZ8PSH	Totalizer 8 preset hi word	*4	*4	R/W
3363	TZ8PSL	Totalizer 8 preset low word	*4	*4	R/W
3364	TZ9PSH	Totalizer 9 preset hi word	*4	*4	R/W
3365	TZ9PSL	Totalizer 9 preset low word	*4	*4	R/W
3366	TZ10PSH	Totalizer 10 preset hi word	*4	*4	R/W
3367	TZ10PSL	Totalizer 10 preset low word	*4	*4	R/W
3368	TZ11PSH	Totalizer 11 preset hi word	*4	*4	R/W
3369	TZ11PSL	Totalizer 11 preset low word	*4	*4	R/W
3370	TZ12PSH	Totalizer 12 preset hi word	*4	*4	R/W
3371	TZ12PSL	Totalizer 12 preset low word	*4	*4	R/W
3372	TZ13PSH	Totalizer 13 preset hi word	*4	*4	R/W
3373	TZ13PSL	Totalizer 13 preset low word	*4	*4	R/W
3374	TZ14PSH	Totalizer 14 preset hi word	*4	*4	R/W
3375	TZ14PSL	Totalizer 14 preset low word	*4	*4	R/W
3376	TZ15PSH	Totalizer 15 preset hi word	*4	*4	R/W
3377	TZ15PSL	Totalizer 15 preset low word	*4	*4	R/W

3378	TZ16PSH	Totalizer 16 preset hi word	*4	*4	R/W
3379	TZ16PSL	Totalizer 16 preset low word	*4	*4	R/W
3380	TZ17PSH	Totalizer 17 preset hi word	*4	*4	R/W
3381	TZ17PSL	Totalizer 17 preset low word	*4	*4	R/W
3382	TZ18PSH	Totalizer 18 preset hi word	*4	*4	R/W
3383	TZ18PSL	Totalizer 18 preset low word	*4	*4	R/W
3384	TZ7EV1TP	Totalizer 7 event 1 type	0	65535	R/W
3385	TZ8EV1TP	Totalizer 8 event 1 type	0	65535	R/W
3386	TZ9EV1TP	Totalizer 9 event 1 type	0	65535	R/W
3387	TZ10EV1TP	Totalizer 10 event 1 type	0	65535	R/W
3388	TZ11EV1TP	Totalizer 11 event 1 type	0	65535	R/W
3389	TZ12EV1TP	Totalizer 12 event 1 type	0	65535	R/W
3390	TZ13EV1TP	Totalizer 13 event 1 type	0	65535	R/W
3391	TZ14EV1TP	Totalizer 14 event 1 type	0	65535	R/W
3392	TZ15EV1TP	Totalizer 15 event 1 type	0	65535	R/W
3393	TZ16EV1TP	Totalizer 16 event 1 type	0	65535	R/W
3394	TZ17EV1TP	Totalizer 17 event 1 type	0	65535	R/W
3395	TZ18EV1TP	Totalizer 18 event 1 type	0	65535	R/W
3396	TZ7EV1SPH	Totalizer 7 event 1 set point high word *7	*5	*5	
3397	TZ7EV1SPL	Totalizer 7 event 1 set point low word *7	*5	*5	
3398	TZ8EV1SPH	Totalizer 8 event 1 set point high word *7	*5	*5	
3399	TZ8EV1SPL	Totalizer 8 event 1 set point low word *7	*5	*5	
3400	TZ9EV1SPH	Totalizer 9 event 1 set point high word *7	*5	*5	
3401	TZ9EV1SPL	Totalizer 9 event 1 set point low word *7	*5	*5	
3402	TZ10EV1SPH	Totalizer 10 event 1 set point high word *7	*5	*5	
3403	TZ10EV1SPL	Totalizer 10 event 1 set point low word *7	*5	*5	
3404	TZ11EV1SPH	Totalizer 11 event 1 set point high word *7	*5	*5	
3405	TZ11EV1SPL	Totalizer 11 event 1 set point low word *7	*5	*5	
3406	TZ12EV1SPH	Totalizer 12 event 1 set point high word *7	*5	*5	
3407	TZ12EV1SPL	Totalizer 12 event 1 set point low word *7	*5	*5	
3408	TZ13EV1SPH	Totalizer 13 event 1 set point high word *7	*5	*5	
3409	TZ13EV1SPL	Totalizer 13 event 1 set point low word *7	*5	*5	
3410	TZ14EV1SPH	Totalizer14 event 1 set point high word *7	*5	*5	
3411	TZ14EV1SPL	Totalizer 14 event 1 set point low word *7	*5	*5	
3412	TZ15EV1SPH	Totalizer 15 event 1 set point high word *7	*5	*5	
3413	TZ15EV1SPL	Totalizer 15 event 1 set point low word *7	*5	*5	
3414	TZ16EV1SPH	Totalizer 16 event 1 set point high word *7	*5	*5	
3415	TZ16EV1SPL	Totalizer16 event 1 set point low word *7	*5	*5	
3416	TZ17EV1SPH	Totalizer 17 event 1 set point high word *7	*5	*5	
3417	TZ17EV1SPL	Totalizer 17 event 1 set point low word *7	*5	*5	
3418	TZ18EV1SPH	Totalizer 18 event 1 set point high word *7	*5	*5	
3419	TZ18EV1SPL	Totalizer 18 event 1 set point low word *7	*5	*5	
3420	TZ7EV1JB1	Totalizer 7 event 1 job 1	0	65535	R/W
3421	TZ8EV1JB1	Totalizer 8 event 1 job 1	0	65535	R/W
3422	TZ9EV1JB1	Totalizer 9 event 1 job 1	0	65535	R/W
3423	TZ10EV1JB1	Totalizer 10 event 1 job 1	0	65535	R/W
3424	TZ11EV1JB1	Totalizer 11 event 1 job 1	0	65535	R/W
3425	TZ12EV1JB1	Totalizer 12 event 1 job 1	0	65535	R/W
3426	TZ13EV1JB1	Totalizer 13 event 1 job 1	0	65535	R/W

3427	TZ14EV1JB1	Totalizer 14 event 1 job 1	0	65535	R/W
3428	TZ15EV1JB1	Totalizer 15 event 1 job 1	0	65535	R/W
3429	TZ16EV1JB1	Totalizer 16 event 1 job 1	0	65535	R/W
3430	TZ17EV1JB1	Totalizer 17 event 1 job 1	0	65535	R/W
3431	TZ18EV1JB1	Totalizer 18 event 1 job 1	0	65535	R/W
3432	TZ7EV1PM1	Totalizer 7 event 1 job 1 parameter	0	65535	R/W
3433	TZ8EV1PM1	Totalizer 8 event 1 job 1 parameter	0	65535	R/W
3434	TZ9EV1PM1	Totalizer 9 event 1 job 1 parameter	0	65535	R/W
3435	TZ10EV1PM1	Totalizer 10 event 1 job 1 parameter	0	65535	R/W
3436	TZ11EV1PM1	Totalizer 11 event 1 job 1 parameter	0	65535	R/W
3437	TZ12EV1PM1	Totalizer 12 event 1 job 1 parameter	0	65535	R/W
3438	TZ13EV1PM1	Totalizer 13 event 1 job 1 parameter	0	65535	R/W
3439	TZ14EV1PM1	Totalizer 14 event 1 job 1 parameter	0	65535	R/W
3440	TZ15EV1PM1	Totalizer 15 event 1 job 1 parameter	0	65535	R/W
3441	TZ16EV1PM1	Totalizer 16 event 1 job 1 parameter	0	65535	R/W
3442	TZ17EV1PM1	Totalizer 17 event 1 job 1 parameter	0	65535	R/W
3443	TZ18EV1PM1	Totalizer 18 event 1 job 1 parameter	0	65535	R/W
3444	TZ7EV1JB2	Totalizer 7 event 1 job 2	0	65535	R/W
3445	TZ8EV1JB2	Totalizer 8 event 1 job 2	0	65535	R/W
3446	TZ9EV1JB2	Totalizer 9 event 1 job 2	0	65535	R/W
3447	TZ10EV1JB2	Totalizer 10 event 1 job 2	0	65535	R/W
3448	TZ11EV1JB2	Totalizer 11 event 1 job 2	0	65535	R/W
3449	TZ12EV1JB2	Totalizer 12 event 1 job 2	0	65535	R/W
3450	TZ13EV1JB2	Totalizer 13 event 1 job 2	0	65535	R/W
3451	TZ14EV1JB2	Totalizer 14 event 1 job 2	0	65535	R/W
3452	TZ15EV1JB2	Totalizer 15 event 1 job 2	0	65535	R/W
3453	TZ16EV1JB2	Totalizer 16 event 1 job 2	0	65535	R/W
3454	TZ17EV1JB2	Totalizer 17 event 1 job 2	0	65535	R/W
3455	TZ18EV1JB2	Totalizer 18 event 1 job 2	0	65535	R/W
3456	TZ7EV1PM2	Totalizer 7 event 1 job 2 parameter	0	65535	R/W
3457	TZ8EV1PM2	Totalizer 8 event 1 job 2 parameter	0	65535	R/W
3458	TZ9EV1PM2	Totalizer 9 event 1 job 2 parameter	0	65535	R/W
3459	TZ10EV1PM2	Totalizer 10 event 1 job 2 parameter	0	65535	R/W
3460	TZ11EV1PM2	Totalizer 11 event 1 job 2 parameter	0	65535	R/W
3461	TZ12EV1PM2	Totalizer 12 event 1 job 2 parameter	0	65535	R/W
3462	TZ13EV1PM2	Totalizer 13 event 1 job 2 parameter	0	65535	R/W
3463	TZ14EV1PM2	Totalizer 14 event 1 job 2 parameter	0	65535	R/W
3464	TZ15EV1PM2	Totalizer 15 event 1 job 2 parameter	0	65535	R/W
3465	TZ16EV1PM2	Totalizer 16 event 1 job 2 parameter	0	65535	R/W
3466	TZ17EV1PM2	Totalizer 17 event 1 job 2 parameter	0	65535	R/W
3467	TZ18EV1PM2	Totalizer 18 event 1 job 2 parameter	0	65535	R/W
3468	TZ7EV2TP	Totalizer 7 event 2 type	0	65535	R/W
3469	TZ8EV2TP	Totalizer 8 event 2 type	0	65535	R/W
3470	TZ9EV2TP	Totalizer 9 event 2 type	0	65535	R/W
3471	TZ10EV2TP	Totalizer 10 event 2 type	0	65535	R/W
3472	TZ11EV2TP	Totalizer 11 event 2 type	0	65535	R/W
3473	TZ12EV2TP	Totalizer 12 event 2 type	0	65535	R/W
3474	TZ13EV2TP	Totalizer 13 event 2 type	0	65535	R/W
3475	TZ14EV2TP	Totalizer 14 event 2 type	0	65535	R/W

3476	TZ15EV2TP	Totalizer 15 event 2 type	0	65535	R/W
3477	TZ16EV2TP	Totalizer 16 event 2 type	0	65535	R/W
3478	TZ17EV2TP	Totalizer 17 event 2 type	0	65535	R/W
3479	TZ18EV2TP	Totalizer 18 event 2 type	0	65535	R/W
3480	TZ7EV2SPH	Totalizer 7 event 2 set point high word *7	*5	*5	
3481	TZ7EV2SPL	Totalizer 7 event 2 set point low word *7	*5	*5	
3482	TZ8EV2SPH	Totalizer 8 event 2 set point high word *7	*5	*5	
3483	TZ8EV2SPL	Totalizer 8 event 2 set point low word *7	*5	*5	
3484	TZ9EV2SPH	Totalizer 9 event 2 set point high word *7	*5	*5	
3485	TZ9EV2SPL	Totalizer9 event 2 set point low word *7	*5	*5	
3486	TZ10EV2SPH	Totalizer 10 event 2 set point high word *7	*5	*5	
3487	TZ10EV2SPL	Totalizer 10 event 2 set point low word *7	*5	*5	
3488	TZ11EV2SPH	Totalizer 11 event 2 set point high word *7	*5	*5	
3489	TZ11EV2SPL	Totalizer11 event 2 set point low word *7	*5	*5	
3490	TZ12EV2SPH	Totalizer 12 event 2 set point high word *7	*5	*5	
3491	TZ12EV2SPL	Totalizer 12 event 2 set point low word *7	*5	*5	
3492	TZ13EV2SPH	Totalizer 13 event 2 set point high word *7	*5	*5	
3493	TZ13EV2SPL	Totalizer 13 event 2 set point low word *7	*5	*5	
3494	TZ14EV2SPH	Totalizer 14 event 2 set point high word *7	*5	*5	
3495	TZ14EV2SPL	Totalizer 14 event 2 set point low word *7	*5	*5	
3496	TZ15EV2SPH	Totalizer 15 event 2 set point high word *7	*5	*5	
3497	TZ15EV2SPL	Totalizer 15 event 2 set point low word *7	*5	*5	
3498	TZ16EV2SPH	Totalizer 16 event 2 set point high word *7	*5	*5	
3499	TZ16EV2SPL	Totalizer 16 event 2 set point low word *7	*5	*5	
3500	TZ17EV2SPH	Totalizer 17 event 2 set point high word *7	*5	*5	
3501	TZ17EV2SPL	Totalizer 17 event 2 set point low word *7	*5	*5	
3502	TZ18EV2SPH	Totalizer 18 event 2 set point high word *7	*5	*5	
3503	TZ18EV2SPL	Totalizer 18 event 2 set point low word *7	*5	*5	
3504	TZ7EV2JB1	Totalizer 7 event 2 job 1	0	65535	R/W
3505	TZ8EV2JB1	Totalizer 8 event 2 job 1	0	65535	R/W
3506	TZ9EV2JB1	Totalizer 9 event 2 job 1	0	65535	R/W
3507	TZ10EV2JB1	Totalizer 10 event 2 job 1	0	65535	R/W
3508	TZ11EV2JB1	Totalizer 11 event 2 job 1	0	65535	R/W
3509	TZ12EV2JB1	Totalizer 12 event 2 job 1	0	65535	R/W
3510	TZ13EV2JB1	Totalizer 13 event 2 job 1	0	65535	R/W
3511	TZ14EV2JB1	Totalizer 14 event 2 job 1	0	65535	R/W
3512	TZ15EV2JB1	Totalizer 15 event 2 job 1	0	65535	R/W
3513	TZ16EV2JB1	Totalizer 16 event 2 job 1	0	65535	R/W
3514	TZ17EV2JB1	Totalizer 17 event 2 job 1	0	65535	R/W
3515	TZ18EV2JB1	Totalizer 18 event 2 job 1	0	65535	R/W
3516	TZ7EV2PM1	Totalizer 7 event 2 job 1 parameter	0	65535	R/W
3517	TZ8EV2PM1	Totalizer 8 event 2 job 1 parameter	0	65535	R/W
3518	TZ9EV2PM1	Totalizer 9 event 2 job 1 parameter	0	65535	R/W
3519	TZ10EV2PM1	Totalizer 10 event 2 job 1 parameter	0	65535	R/W
3520	TZ11EV2PM1	Totalizer 11 event 2 job 1 parameter	0	65535	R/W
3521	TZ12EV2PM1	Totalizer 12 event 2 job 1 parameter	0	65535	R/W
3522	TZ13EV2PM1	Totalizer 13 event 2 job 1 parameter	0	65535	R/W
3523	TZ14EV2PM1	Totalizer 14 event 2 job 1 parameter	0	65535	R/W
3524	TZ15EV2PM1	Totalizer 15 event 2 job 1 parameter	0	65535	R/W

3525	TZ16EV2PM1	Totalizer 16 event 2 job 1 parameter		0	65535	R/W
3526	TZ17EV2PM1	Totalizer 17 event 2 job 1 parameter		0	65535	R/W
3527	TZ18EV2PM1	Totalizer 18 event 2 job 1 parameter		0	65535	R/W
3528	TZ7EV2JB2	Totalizer 7 event 2 job 2		0	65535	R/W
3529	TZ8EV2JB2	Totalizer 8 event 2 job 2		0	65535	R/W
3530	TZ9EV2JB2	Totalizer 9 event 2 job 2		0	65535	R/W
3531	TZ10EV2JB2	Totalizer 10 event 2 job 2		0	65535	R/W
3532	TZ11EV2JB2	Totalizer 11 event 2 job 2		0	65535	R/W
3533	TZ12EV2JB2	Totalizer 12 event 2 job 2		0	65535	R/W
3534	TZ13EV2JB2	Totalizer 13 event 2 job 2		0	65535	R/W
3535	TZ14EV2JB2	Totalizer 14 event 2 job 2		0	65535	R/W
3536	TZ15EV2JB2	Totalizer 15 event 2 job 2		0	65535	R/W
3537	TZ16EV2JB2	Totalizer 16 event 2 job 2		0	65535	R/W
3538	TZ17EV2JB2	Totalizer 17 event 2 job 2		0	65535	R/W
3539	TZ18EV2JB2	Totalizer 18 event 2 job 2		0	65535	R/W
3540	TZ7EV2PM2	Totalizer 7 event 2 job 2 parameter		0	65535	R/W
3541	TZ8EV2PM2	Totalizer 8 event 2 job 2 parameter		0	65535	R/W
3542	TZ9EV2PM2	Totalizer 9 event 2 job 2 parameter		0	65535	R/W
3543	TZ10EV2PM2	Totalizer 10 event 2 job 2 parameter		0	65535	R/W
3544	TZ11EV2PM2	Totalizer 11 event 2 job 2 parameter		0	65535	R/W
3545	TZ12EV2PM2	Totalizer 12 event 2 job 2 parameter		0	65535	R/W
3546	TZ13EV2PM2	Totalizer 13 event 2 job 2 parameter		0	65535	R/W
3547	TZ14EV2PM2	Totalizer 14 event 2 job 2 parameter		0	65535	R/W
3548	TZ15EV2PM2	Totalizer 15 event 2 job 2 parameter		0	65535	R/W
3549	TZ16EV2PM2	Totalizer 16 event 2 job 2 parameter		0	65535	R/W
3550	TZ17EV2PM2	Totalizer 17 event 2 job 2 parameter		0	65535	R/W
3551	TZ18EV2PM2	Totalizer 18 event 2 job 2 parameter		0	65535	R/W
3552	IN20NA1	Ver20 Instrument name char 1~2	*10	0	65535	R/W
3553	IN20NA2	Ver20 Instrument name char 3~4	*10	0	65535	R/W
3554	IN20NA3	Ver20 Instrument name char 5~6	*10	0	65535	R/W
3555	IN20NA4	Ver20 Instrument name char 7~8	*10	0	65535	R/W
3556	AO1TP	AO1 Type		0	65535	R/W
3557	AO2TP	AO2 Type		0	65535	R/W
3558	AO3TP	AO3 Type		0	65535	R/W
3559	AO4TP	AO4 Type		0	65535	R/W
3560	AO5TP	AO5 Type		0	65535	R/W
3561	AO6TP	AO6 Type		0	65535	R/W
3562	AO7TP	AO7 Type		0	65535	R/W
3563	AO8TP	AO8 Type		0	65535	R/W
3564	AO9TP	AO9 Type		0	65535	R/W
3565	AO1CH	AO1 CH no		0	65535	R/W
3566	AO2CH	AO2 CH no		0	65535	R/W
3567	AO3CH	AO3 CH no		0	65535	R/W
3568	AO4CH	AO4 CH no		0	65535	R/W
3569	AO5CH	AO5 CH no		0	65535	R/W
3570	AO6CH	AO6 CH no		0	65535	R/W
3571	AO7CH	AO7 CH no		0	65535	R/W
3572	AO8CH	AO8 CH no		0	65535	R/W
3573	AO9CH	AO9 CH no		0	65535	R/W

3574	AO1SI	AO1 Scale Idx	0	65535	R/W
3575	AO2SI	AO2 Scale Idx	0	65535	R/W
3576	AO3SI	AO3 Scale Idx	0	65535	R/W
3577	AO4SI	AO4 Scale Idx	0	65535	R/W
3578	AO5SI	AO5 Scale Idx	0	65535	R/W
3579	AO6SI	AO6 Scale Idx	0	65535	R/W
3580	AO7SI	AO7 Scale Idx	0	65535	R/W
3581	AO8SI	AO8 Scale Idx	0	65535	R/W
3582	AO9SI	AO9 Scale Idx	0	65535	R/W
3583	AO1DP	AO1 Range decimal point	0	65535	R/W
3584	AO2DP	AO2 Range decimal point	0	65535	R/W
3585	AO3DP	AO3 Range decimal point	0	65535	R/W
3586	AO4DP	AO4 Range decimal point	0	65535	R/W
3587	AO5DP	AO5 Range decimal point	0	65535	R/W
3588	AO6DP	AO6 Range decimal point	0	65535	R/W
3589	AO7DP	AO7 Range decimal point	0	65535	R/W
3590	AO8DP	AO8 Range decimal point	0	65535	R/W
3591	AO9DP	AO9 Range decimal point	0	65535	R/W
3592	AO1RL	AO1 Range low	*2	*2	R/W
3593	AO2RL	AO2 Range low	*2	*2	R/W
3594	AO3RL	AO3 Range low	*2	*2	R/W
3595	AO4RL	AO4 Range low	*2	*2	R/W
3596	AO5RL	AO5 Range low	*2	*2	R/W
3597	AO6RL	AO6 Range low	*2	*2	R/W
3598	AO7RL	AO7 Range low	*2	*2	R/W
3599	AO8RL	AO8 Range low	*2	*2	R/W
3600	AO9RL	AO9 Range low	*2	*2	R/W
3601	AO1RH	AO1 Range high	*2	*2	R/W
3602	AO2RH	AO2 Range high	*2	*2	R/W
3603	AO3RH	AO3 Range high	*2	*2	R/W
3604	AO4RH	AO4 Range high	*2	*2	R/W
3605	AO5RH	AO5 Range high	*2	*2	R/W
3606	AO6RH	AO6 Range high	*2	*2	R/W
3607	AO7RH	AO7 Range high	*2	*2	R/W
3608	AO8RH	AO8 Range high	*2	*2	R/W
3609	AO9RH	AO9 Range high	*2	*2	R/W
3610	AO1SL	AO1 Scale low (decimal point:3)	*2	*2	R/W
3611	AO2SL	AO2 Scale low (decimal point:3)	*2	*2	R/W
3612	AO3SL	AO3 Scale low (decimal point:3)	*2	*2	R/W
3613	AO4SL	AO4 Scale low (decimal point:3)	*2	*2	R/W
3614	AO5SL	AO5 Scale low (decimal point:3)	*2	*2	R/W
3615	AO6SL	AO6 Scale low (decimal point:3)	*2	*2	R/W
3616	AO7SL	AO7 Scale low (decimal point:3)	*2	*2	R/W
3617	AO8SL	AO8 Scale low (decimal point:3)	*2	*2	R/W
3618	AO9SL	AO9 Scale low (decimal point:3)	*2	*2	R/W
3619	AO1SH	AO1 Scale high (decimal point:3)	*2	*2	R/W
3620	AO2SH	AO2 Scale high (decimal point:3)	*2	*2	R/W
3621	AO3SH	AO3 Scale high (decimal point:3)	*2	*2	R/W
3622	AO4SH	AO4 Scale high (decimal point:3)	*2	*2	R/W

3623	AO5SH	AO5 Scale high (decimal point:3)	*2	*2	R/W
3624	AO6SH	AO6 Scale high (decimal point:3)	*2	*2	R/W
3625	AO7SH	AO7 Scale high (decimal point:3)	*2	*2	R/W
3626	AO8SH	AO8 Scale high (decimal point:3)	*2	*2	R/W
3627	AO9SH	AO9 Scale high (decimal point:3)	*2	*2	R/W
3628	AO1EX1	AO 1 expression char 1~2	0	65535	R/W
3629	AO1EX2	AO 1 expression char 3~4	0	65535	R/W
3630	AO1EX3	AO 1 expression char 5~6	0	65535	R/W
3631	AO1EX4	AO 1 expression char 7~8	0	65535	R/W
3632	AO1EX5	AO 1 expression char 9~10	0	65535	R/W
3633	AO1EX6	AO 1 expression char 11~12	0	65535	R/W
3634	AO1EX7	AO 1 expression char 13~14	0	65535	R/W
3635	AO1EX8	AO 1 expression char 15~16	0	65535	R/W
3636	AO1EX9	AO 1 expression char 17~18	0	65535	R/W
3637	AO1EX10	AO 1 expression char 19~20	0	65535	R/W
3638	AO1EX11	AO 1 expression char 21~22	0	65535	R/W
3639	AO1EX12	AO 1 expression char 23~24	0	65535	R/W
3640	AO1EX13	AO 1 expression char 25~26	0	65535	R/W
3641	AO1EX14	AO 1 expression char 27~28	0	65535	R/W
3642	AO1EX15	AO 1 expression char 29~30	0	65535	R/W
3643	AO1EX16	AO 1 expression char 31~32	0	65535	R/W
3644	AO1EX17	AO 1 expression char 33~34	0	65535	R/W
3645	AO1EX18	AO 1 expression char 35~36	0	65535	R/W
3646	AO2EX1	AO 2 expression char 1~2	0	65535	R/W
3647	AO2EX2	AO 2 expression char 3~4	0	65535	R/W
3648	AO2EX3	AO 2 expression char 5~6	0	65535	R/W
3649	AO2EX4	AO 2 expression char 7~8	0	65535	R/W
3650	AO2EX5	AO 2 expression char 9~10	0	65535	R/W
3651	AO2EX6	AO 2 expression char 11~12	0	65535	R/W
3652	AO2EX7	AO 2 expression char 13~14	0	65535	R/W
3653	AO2EX8	AO 2 expression char 15~16	0	65535	R/W
3654	AO2EX9	AO 2 expression char 17~18	0	65535	R/W
3655	AO2EX10	AO 2 expression char 19~20	0	65535	R/W
3656	AO2EX11	AO 2 expression char 21~22	0	65535	R/W
3657	AO2EX12	AO 2 expression char 23~24	0	65535	R/W
3658	AO2EX13	AO 2 expression char 25~26	0	65535	R/W
3659	AO2EX14	AO 2 expression char 27~28	0	65535	R/W
3660	AO2EX15	AO 2 expression char 29~30	0	65535	R/W
3661	AO2EX16	AO 2 expression char 31~32	0	65535	R/W
3662	AO2EX17	AO 2 expression char 33~34	0	65535	R/W
3663	AO2EX18	AO 2 expression char 35~36	0	65535	R/W
3664	AO3EX1	AO 3 expression char 1~2	0	65535	R/W
3665	AO3EX2	AO 3 expression char 3~4	0	65535	R/W
3666	AO3EX3	AO 3 expression char 5~6	0	65535	R/W
3667	AO3EX4	AO 3 expression char 7~8	0	65535	R/W
3668	AO3EX5	AO 3 expression char 9~10	0	65535	R/W
3669	AO3EX6	AO 3 expression char 11~12	0	65535	R/W
3670	AO3EX7	AO 3 expression char 13~14	0	65535	R/W
3671	AO3EX8	AO 3 expression char 15~16	0	65535	R/W

3672	AO3EX9	AO 3 expression char 17~18	0	65535	R/W
3673	AO3EX10	AO 3 expression char 19~20	0	65535	R/W
3674	AO3EX11	AO 3 expression char 21~22	0	65535	R/W
3675	AO3EX12	AO 3 expression char 23~24	0	65535	R/W
3676	AO3EX13	AO 3 expression char 25~26	0	65535	R/W
3677	AO3EX14	AO 3 expression char 27~28	0	65535	R/W
3678	AO3EX15	AO 3 expression char 29~30	0	65535	R/W
3679	AO3EX16	AO 3 expression char 31~32	0	65535	R/W
3680	AO3EX17	AO 3 expression char 33~34	0	65535	R/W
3681	AO3EX18	AO 3 expression char 35~36	0	65535	R/W
3682	AO4EX1	AO 4 expression char 1~2	0	65535	R/W
3683	AO4EX2	AO 4 expression char 3~4	0	65535	R/W
3684	AO4EX3	AO 4 expression char 5~6	0	65535	R/W
3685	AO4EX4	AO 4 expression char 7~8	0	65535	R/W
3686	AO4EX5	AO 4 expression char 9~10	0	65535	R/W
3687	AO4EX6	AO 4 expression char 11~12	0	65535	R/W
3688	AO4EX7	AO 4 expression char 13~14	0	65535	R/W
3689	AO4EX8	AO 4 expression char 15~16	0	65535	R/W
3690	AO4EX9	AO 4 expression char 17~18	0	65535	R/W
3691	AO4EX10	AO 4 expression char 19~20	0	65535	R/W
3692	AO4EX11	AO 4 expression char 21~22	0	65535	R/W
3693	AO4EX12	AO 4 expression char 23~24	0	65535	R/W
3694	AO4EX13	AO 4 expression char 25~26	0	65535	R/W
3695	AO4EX14	AO 4 expression char 27~28	0	65535	R/W
3696	AO4EX15	AO 4 expression char 29~30	0	65535	R/W
3697	AO4EX16	AO 4 expression char 31~32	0	65535	R/W
3698	AO4EX17	AO 4 expression char 33~34	0	65535	R/W
3699	AO4EX18	AO 4 expression char 35~36	0	65535	R/W
3700	AO5EX1	AO 5 expression char 1~2	0	65535	R/W
3701	AO5EX2	AO 5 expression char 3~4	0	65535	R/W
3702	AO5EX3	AO 5 expression char 5~6	0	65535	R/W
3703	AO5EX4	AO 5 expression char 7~8	0	65535	R/W
3704	AO5EX5	AO 5 expression char 9~10	0	65535	R/W
3705	AO5EX6	AO 5 expression char 11~12	0	65535	R/W
3706	AO5EX7	AO 5 expression char 13~14	0	65535	R/W
3707	AO5EX8	AO 5 expression char 15~16	0	65535	R/W
3708	AO5EX9	AO 5 expression char 17~18	0	65535	R/W
3709	AO5EX10	AO 5 expression char 19~20	0	65535	R/W
3710	AO5EX11	AO 5 expression char 21~22	0	65535	R/W
3711	AO5EX12	AO 5 expression char 23~24	0	65535	R/W
3712	AO5EX13	AO 5 expression char 25~26	0	65535	R/W
3713	AO5EX14	AO 5 expression char 27~28	0	65535	R/W
3714	AO5EX15	AO 5 expression char 29~30	0	65535	R/W
3715	AO5EX16	AO 5 expression char 31~32	0	65535	R/W
3716	AO5EX17	AO 5 expression char 33~34	0	65535	R/W
3717	AO5EX18	AO 5 expression char 35~36	0	65535	R/W
3718	AO6EX1	AO 6 expression char 1~2	0	65535	R/W
3719	AO6EX2	AO 6 expression char 3~4	0	65535	R/W
3720	AO6EX3	AO 6 expression char 5~6	0	65535	R/W

3721	AO6EX4	AO 6 expression char 7~8	0	65535	R/W
3722	AO6EX5	AO 6 expression char 9~10	0	65535	R/W
3723	AO6EX6	AO 6 expression char 11~12	0	65535	R/W
3724	AO6EX7	AO 6 expression char 13~14	0	65535	R/W
3725	AO6EX8	AO 6 expression char 15~16	0	65535	R/W
3726	AO6EX9	AO 6 expression char 17~18	0	65535	R/W
3727	AO6EX10	AO 6 expression char 19~20	0	65535	R/W
3728	AO6EX11	AO 6 expression char 21~22	0	65535	R/W
3729	AO6EX12	AO 6 expression char 23~24	0	65535	R/W
3730	AO6EX13	AO 6 expression char 25~26	0	65535	R/W
3731	AO6EX14	AO 6 expression char 27~28	0	65535	R/W
3732	AO6EX15	AO 6 expression char 29~30	0	65535	R/W
3733	AO6EX16	AO 6 expression char 31~32	0	65535	R/W
3734	AO6EX17	AO 6 expression char 33~34	0	65535	R/W
3735	AO6EX18	AO 6 expression char 35~36	0	65535	R/W
3736	AO7EX1	AO 7 expression char 1~2	0	65535	R/W
3737	AO7EX2	AO 7 expression char 3~4	0	65535	R/W
3738	AO7EX3	AO 7 expression char 5~6	0	65535	R/W
3739	AO7EX4	AO 7 expression char 7~8	0	65535	R/W
3740	AO7EX5	AO 7 expression char 9~10	0	65535	R/W
3741	AO7EX6	AO 7 expression char 11~12	0	65535	R/W
3742	AO7EX7	AO 7 expression char 13~14	0	65535	R/W
3743	AO7EX8	AO 7 expression char 15~16	0	65535	R/W
3744	AO7EX9	AO 7 expression char 17~18	0	65535	R/W
3745	AO7EX10	AO 7 expression char 19~20	0	65535	R/W
3746	AO7EX11	AO 7 expression char 21~22	0	65535	R/W
3747	AO7EX12	AO 7 expression char 23~24	0	65535	R/W
3748	AO7EX13	AO 7 expression char 25~26	0	65535	R/W
3749	AO7EX14	AO 7 expression char 27~28	0	65535	R/W
3750	AO7EX15	AO 7 expression char 29~30	0	65535	R/W
3751	AO7EX16	AO 7 expression char 31~32	0	65535	R/W
3752	AO7EX17	AO 7 expression char 33~34	0	65535	R/W
3753	AO7EX18	AO 7 expression char 35~36	0	65535	R/W
3754	AO8EX1	AO 8 expression char 1~2	0	65535	R/W
3755	AO8EX2	AO 8 expression char 3~4	0	65535	R/W
3756	AO8EX3	AO 8 expression char 5~6	0	65535	R/W
3757	AO8EX4	AO 8 expression char 7~8	0	65535	R/W
3758	AO8EX5	AO 8 expression char 9~10	0	65535	R/W
3759	AO8EX6	AO 8 expression char 11~12	0	65535	R/W
3760	AO8EX7	AO 8 expression char 13~14	0	65535	R/W
3761	AO8EX8	AO 8 expression char 15~16	0	65535	R/W
3762	AO8EX9	AO 8 expression char 17~18	0	65535	R/W
3763	AO8EX10	AO 8 expression char 19~20	0	65535	R/W
3764	AO8EX11	AO 8 expression char 21~22	0	65535	R/W
3765	AO8EX12	AO 8 expression char 23~24	0	65535	R/W
3766	AO8EX13	AO 8 expression char 25~26	0	65535	R/W
3767	AO8EX14	AO 8 expression char 27~28	0	65535	R/W
3768	AO8EX15	AO 8 expression char 29~30	0	65535	R/W
3769	AO8EX16	AO 8 expression char 31~32	0	65535	R/W

3770	AO8EX17	AO 8 expression char 33~34	0	65535	R/W
3771	AO8EX18	AO 8 expression char 35~36	0	65535	R/W
3772	AO9EX1	AO 9 expression char 1~2	0	65535	R/W
3773	AO9EX2	AO 9 expression char 3~4	0	65535	R/W
3774	AO9EX3	AO 9 expression char 5~6	0	65535	R/W
3775	AO9EX4	AO 9 expression char 7~8	0	65535	R/W
3776	AO9EX5	AO 9 expression char 9~10	0	65535	R/W
3777	AO9EX6	AO 9 expression char 11~12	0	65535	R/W
3778	AO9EX7	AO 9 expression char 13~14	0	65535	R/W
3779	AO9EX8	AO 9 expression char 15~16	0	65535	R/W
3780	AO9EX9	AO 9 expression char 17~18	0	65535	R/W
3781	AO9EX10	AO 9 expression char 19~20	0	65535	R/W
3782	AO9EX11	AO 9 expression char 21~22	0	65535	R/W
3783	AO9EX12	AO 9 expression char 23~24	0	65535	R/W
3784	AO9EX13	AO 9 expression char 25~26	0	65535	R/W
3785	AO9EX14	AO 9 expression char 27~28	0	65535	R/W
3786	AO9EX15	AO 9 expression char 29~30	0	65535	R/W
3787	AO9EX16	AO 9 expression char 31~32	0	65535	R/W
3788	AO9EX17	AO 9 expression char 33~34	0	65535	R/W
3789	AO9EX18	AO 9 expression char 35~36	0	65535	R/W
3790	SC1TL	Security 1 time limit	0	65535	R/W
3791	SC2TL	Security 2 time limit	0	65535	R/W
3792	SC3TL	Security 3 time limit	0	65535	R/W
3793	SC4TL	Security 4 time limit	0	65535	R/W
3794	SC5TL	Security 5 time limit	0	65535	R/W
3795	SC6TL	Security 6 time limit	0	65535	R/W
3796	SC7TL	Security 7 time limit	0	65535	R/W
3797	SC8TL	Security 8 time limit	0	65535	R/W
3798	SC9TL	Security 9 time limit	0	65535	R/W
3799	SC10TL	Security 10 time limit	0	65535	R/W
3800	SC11TL	Security 11 time limit	0	65535	R/W
3801	SC12TL	Security 12 time limit	0	65535	R/W
3802	SC13TL	Security 13 time limit	0	65535	R/W
3803	SC14TL	Security 14 time limit	0	65535	R/W
3804	SC15TL	Security 15 time limit	0	65535	R/W
3805	SC16TL	Security 16 time limit	0	65535	R/W
3806	SC17TL	Security 17 time limit	0	65535	R/W
3807	SC18TL	Security 18 time limit	0	65535	R/W
3808	SC19TL	Security 19 time limit	0	65535	R/W
3809	SC20TL	Security 20 time limit	0	65535	R/W
3810	SC21TL	Security 21 time limit	0	65535	R/W
3811	SC22TL	Security 22 time limit	0	65535	R/W
3812	SC23TL	Security 23 time limit	0	65535	R/W
3813	SC24TL	Security 24 time limit	0	65535	R/W
3814	SC25TL	Security 25 time limit	0	65535	R/W
3815	SC26TL	Security 26 time limit	0	65535	R/W
3816	SC27TL	Security 27 time limit	0	65535	R/W
3817	SC28TL	Security 28 time limit	0	65535	R/W
3818	SC29TL	Security 29 time limit	0	65535	R/W

3819	SC30TL	Security 30 time limit	0	65535	R/W
3820	SC1LD	Security 1 last modify day	0	65535	R/W
3821	SC2LD	Security 2 last modify day	0	65535	R/W
3822	SC3LD	Security 3 last modify day	0	65535	R/W
3823	SC4LD	Security 4 last modify day	0	65535	R/W
3824	SC5LD	Security 5 last modify day	0	65535	R/W
3825	SC6LD	Security 6 last modify day	0	65535	R/W
3826	SC7LD	Security 7 last modify day	0	65535	R/W
3827	SC8LD	Security 8 last modify day	0	65535	R/W
3828	SC9LD	Security 9 last modify day	0	65535	R/W
3829	SC10LD	Security 10 last modify day	0	65535	R/W
3830	SC11LD	Security 11 last modify day	0	65535	R/W
3831	SC12LD	Security 12 last modify day	0	65535	R/W
3832	SC13LD	Security 13 last modify day	0	65535	R/W
3833	SC14LD	Security 14 last modify day	0	65535	R/W
3834	SC15LD	Security 15 last modify day	0	65535	R/W
3835	SC16LD	Security 16 last modify day	0	65535	R/W
3836	SC17LD	Security 17 last modify day	0	65535	R/W
3837	SC18LD	Security 18 last modify day	0	65535	R/W
3838	SC19LD	Security 19 last modify day	0	65535	R/W
3839	SC20LD	Security 20 last modify day	0	65535	R/W
3840	SC21LD	Security 21 last modify day	0	65535	R/W
3841	SC22LD	Security 22 last modify day	0	65535	R/W
3842	SC23LD	Security 23 last modify day	0	65535	R/W
3843	SC24LD	Security 24 last modify day	0	65535	R/W
3844	SC25LD	Security 25 last modify day	0	65535	R/W
3845	SC26LD	Security 26 last modify day	0	65535	R/W
3846	SC27LD	Security 27 last modify day	0	65535	R/W
3847	SC28LD	Security 28 last modify day	0	65535	R/W
3848	SC29LD	Security 29 last modify day	0	65535	R/W
3849	SC30LD	Security 30 last modify day	0	65535	R/W
3850	DO8RV01	DO 1 Reverse	0	65535	R/W
3851	DO8RV02	DO 2 Reverse	0	65535	R/W
3852	DO8RV03	DO 3 Reverse	0	65535	R/W
3853	DO8RV04	DO 4 Reverse	0	65535	R/W
3854	DO8RV05	DO 5 Reverse	0	65535	R/W
3855	DO8RV06	DO 6 Reverse	0	65535	R/W
3856	DO8RV07	DO 7 Reverse	0	65535	R/W
3857	DO8RV08	DO 8 Reverse	0	65535	R/W
3858	DO8RV09	DO 9 Reverse	0	65535	R/W
3859	DO8RV10	DO 10 Reverse	0	65535	R/W
3860	DO8RV11	DO 11 Reverse	0	65535	R/W
3861	DO8RV12	DO 12 Reverse	0	65535	R/W
3862	DO8RV13	DO 13 Reverse	0	65535	R/W
3863	DO8RV14	DO 14 Reverse	0	65535	R/W
3864	DO8RV15	DO 15 Reverse	0	65535	R/W
3865	DO8RV16	DO 16 Reverse	0	65535	R/W
3866	DO8RV17	DO 17 Reverse	0	65535	R/W
3867	DO8RV18	DO 18 Reverse	0	65535	R/W

3868	DO8RV19	DO 19 Reverse	0	65535	R/W
3869	DO8RV20	DO 20 Reverse	0	65535	R/W
3870	DO8RV21	DO 21 Reverse	0	65535	R/W
3871	DO8RV22	DO 22 Reverse	0	65535	R/W
3872	DO8RV23	DO 23 Reverse	0	65535	R/W
3873	DO8RV24	DO 24 Reverse	0	65535	R/W
3874	DO8RV25	DO 25 Reverse	0	65535	R/W
3875	DO8RV26	DO 26 Reverse	0	65535	R/W
3876	DO8RV27	DO 27 Reverse	0	65535	R/W
3877	DO8RV28	DO 28 Reverse	0	65535	R/W
3878	DO8RV29	DO 29 Reverse	0	65535	R/W
3879	DO8RV30	DO 30 Reverse	0	65535	R/W
3880	DO8RV31	DO 31 Reverse	0	65535	R/W
3881	DO8RV32	DO 32 Reverse	0	65535	R/W
3882	DO8RV33	DO 33 Reverse	0	65535	R/W
3883	DO8RV34	DO 34 Reverse	0	65535	R/W
3884	DO8RV35	DO 35 Reverse	0	65535	R/W
3885	DO8RV36	DO 36 Reverse	0	65535	R/W

*1: The scale high/low value are define in the following table for AI(x)RL, AI(x)RH AI(x)EV(x)SP, DP is reference to AI(x)DP.

Conditions	DP=0	DP=1	DP=2	DP=3	DP=4	DP=5
Scale low	-19999	-1999.9	-199.99	-19.999	-1.9999	-0.19999
Scale high	45536	4553.6	455.36	45.536	4.5536	0.45536

*2: The scale high/low value are define in the following table for MA(x)RL, MX(x)RH, MX(x)EV(x)SP, DP is reference to MX(x)DP.

Conditions	DP=0	DP=1	DP=2	DP=3	DP=4	DP=5
Scale low	-32768	-3276.8	-327.68	-32.768	-3.2768	-0.32768
Scale high	32767	3276.7	327.67	32.767	3.2767	0.32767

*3: The scale high/low value are define in the following table for PG(x)PN(x)LO, PG(x)PN(x)HI. If pen's channel (PG[x]PN[x]CH) is AI then use *1 table else use *2 table.

*4: The scale high/low value are define in the following table for TZ(x)SH, TZ(x)SL, DP is reference to TZ(x)DP.

Conditions	DP=0	DP=1	DP=2	DP=3
Scale low	0.0	0.0	0.0	0.0
Scale high	4294967295	429496729.5	42949672.95	4294967.295

Conditions	DP=4	DP=5
Scale low	0.0	0.0
Scale high	429496.7295	42949.67295

*5: The scale high/low value are define in the following table for TZ(x)EV(x)SP, DP is reference to TZ(x)DP.

Conditions	DP=0	DP=1	DP=2	DP=3	DP=4	DP=5
Scale low	0.0	0.0	0.0	0.0	0.0	0.0
Scale high	65536	6553.6	655.36	65.536	6.5536	0.65536

*6: Support for version 1.31 and later.
*7: Before version 1.31 totalizer event set point use TzxEVxSP(address 2167~2172 and 2203~2208) otherwise use TzxEVxSPH and TzxEVxSPL(address 2936~2959).

*8: Only FDA version have security function.

*9 FDA version login logout function LOGST(log status) 0 : login 1 :logout,
LOGRES(log response)　　0:fail　　1 :successful.

*10 Before version1.3 instrument name use address INNAx(address1796~1798)
otherwise use IN20Nax (address3552~3555).

3. Holding Register Parameter Descriptions

Notation	Description	Range	Default
VER	Version	0 ~65535	---
PLUS	Plus mode	0 ~65535	---
AI(x)DP MA(x)DP TZ(x)DP	AI, Math and Totalizer Decimal point	0~5	2
AI(x)FN	AI function no	0:Empty 2:Thermocouple J Type ℃ 3:Thermocouple J Type ℉ 4: Thermocouple K Type ℃ 5:Thermocouple K Type ℉ 6:Thermocouple T Type ℃ 7:Thermocouple T Type ℉ 8:Thermocouple E Type ℃ 9:Thermocouple E Type ℉ 10:Thermocouple B Type ℃ 11:Thermocouple B Type ℉ 12:Thermocouple R Type ℃ 13:Thermocouple R Type ℉ 14:Thermocouple S Type ℃ 15:Thermocouple S Type ℉ 16:Thermocouple N Type ℃ 17:Thermocouple N Type ℉ 18:Thermocouple L Type ℃ 19:Thermocouple L Type ℉ 20:Thermocouple TC1 Type ℃ 21:Thermocouple TC1 Type ℉ 24:RTD PT100 Type ℃ 25:RTD PT100 Type ℉ 26:RTD JPT100 Type ℃ 27:RTD JPT100 Type ℉ 28:RTD RTD1 Type ℃ 29:RTD RTD1 Type ℉ 32:0~60mV linear millivolt input 34:0~1000mV	---

		linear millivolt input 36:0~10V linear voltage input 38:0~20mA linear current input 40:0~5V linear voltage input 42: 1~5V linear voltage input 44: 4~20mA linear current input 1, 22, 23, 30: :Reserve 31,33,3537,39,41,43: Reserve	
MA(x)EN	Math enable	0:disable 1:enable	0
AI(x)RL	AI range low	Linear input :-32768~32767 else see sensor type range	linear:0
AI(x)RH	AI range High	Linear input :-32768~32767 else s see sensor type range	linear:100
MA(x)RL	Math range low	-32768~32767	-3276.8
MA(x)RH	Math range high	-32768~32767	3276.7
AI(x)UN1~3 MA(x)UN1~3 CT(x)UN1~3 TZ(x)UN1~3	AI, Math, Counter and Totalizer unit total char is 6 UN1:char 1~2 UN2:char 3~4 UN3:char 5~6	0~65535	0
AI(x)NA1~3 MA(x)NA1~3 INNA1~3 CT(x)NA1~3 DI(x)NA1~3 TZ(x)NA1~3	AI, Math, Instrument, Counter, DI and Totalizer name total char is 6 NA1:char 1~2 NA2:char 3~4 NA3:char 5~6	0~65535	AI(x) MA(x) VR18 CT(x) DI(x) TZ(x)
AI(x)ME MA(x)ME	AI and Math log method	0: Disable 1: Instant 2:Average 3:Minimum	1

		4:Maximum	
AI(x)SP MA(x)SP	AI and Math log speed	0:1 Sec 1:2 Sec 2:5 Sec 3:10 Sec 4:30 Sec, 5:60 Sec, 6:120 Sec	0
AI(x)OF MA(x)OF	AI and Math offset	0~65535	0.0
AI(x)GA MA(x)GA	AI and Math gain	1~65535	1.0
AI(x)EV(x)TP MA(x)EV(x)TP	AI and Math event type	0:No (None) 1:H (High) 2:L (Low) 3:HH (HighHigh) 4:LL (LowLow) 5:R (Rate of change – rise) 5:r (Rate of change – fall)	0
AI(x)EV(x)SP MA(x)EV(x)SP	AI and Math event set point	Low: AI(x)RL or MA(x)RL High: AI(x)RH or MA(x)RH	0
AI(x)EV(x)RT MA(x)EV(x)RT	AI and Math rate of change time	1~15 Sec	1
AI(x)EV(x)JB(x) MA(x)EV(x)JB(x) TM(x)JB(x) CT(x)EV(x)JB(x) DI(x)EV(x)JB(x) TZ(x)EV(x)JB(x)	AI, Math, Timer, Counter, DI and Totalizer AI event job	0:No Action 1:Log Alarm 2:Log Event 3:Sound Buzzer 4:Set DO On 5:Set DO Off 6:Enable Timer 7:Disable Timer, 8:Preset Totalzer 9:Reset Totalzer 10:Enable Totalzer 11:Disable Totalzer 12:Preset Counter 13:Reset Counter 14:Inc Counter 15:Dec Counter	0

		16:Log Report	
AI1EV1PM1 AI(x)EV(x)PM(x) MA(x)EV(x)PM(x) TM(x)PM(x) CT(x)EV(x)PM(x) DI(x)EV(x)PM(x) TZ(x)EV(x)PM(x)	AI, Math, Timer, Counter, DI and Totalizer AI event job parameter	0~11	0
PG(x)MD	Page mode	0:Disable 1:Mix 2:Trend 3:Bar 4:Digital	1
PG(x)DT	Page: trend direction	0: Horz 1: Vert	0
PG(x)BG	Page: trend background color	0:Black 1:White	0
PG(x)DI PG(x)DO	Page: DI and DO status bar	0: Disable 1: Enable 1~6 2: Enable 7~12	0
PG(x)TZ PG(x)CT	Page: totalizer and counter status bar	0: Disable 1: Enable 1~6 2: Enable 1~5 3: Enable 1~4 4: Enable 1~3 5: Enable 2~4 6: Enable 3~5 7: Enable 4~6	0
PG(x)PN(x)CH	Page: pen channel	0:Disable 1~18:AI 19~36:Math	0
PG(x)PN(x)CR	Page: pen color	0:Blue 1:Green 2:Cyan 3:Red 4:Magenta 5:Yellow 6:Gray 7:Deep Blue	Pen No

		8:Deep Green 9:Deep Cyan 10:Deep Red 11:Deep Magenta 12:Olive 13:Dark Gray	
PG(x)PN(x)WT	Page: pen width	1~3	1
PG(x)PN(x)LO	Page: pen rang low	Same as this pen source range	pen source low
PG(x)PN(x)HI	Page: pen rang high	Same as this pen source range	pen source high
TM(x)TP	Timer type	0:Countdown 1:Repeat Countdown 2:Daily 3:Weekly 4:Monthly	0
TM(x)AC	Timer action	0:Disable 1:Enable	0
TM(x)DY	Timer day Parameter	0~31	0
TM(x)HR	Timer hour parameter	0~23	0
TM(x)MN	Timer minute parameter	0~59	0
TM(x)SD	Timer second parameter	0~59	1
INPW1~4	Instrument total char is 6 INPW 1:char 1~2 INPW 2:char 3~4 INPW 3:char 5~6 INPW 4:char 7~8	0~65535	0
INSM	Instrument storage media	0: CF Card	0
INKS	Instrument keypad sound	0:Disable 1:Minimum	1

		2:Medium 3:Maximum	
INDS	Instrument date style	0:mm/dd/yy 1:dd/mm/yy	0
INLA	Instrument language	0: English	0
INEL	Instrument event limit	0:256 1:512 2:1024	0
INSS	Instrument screen saver	0:Disable 1:1 Min 2:10 Min 3:20 Min 4:30 Min 5:40 Min 6:50 Min 7:60 Min	0
INIR	Instrument IR sensor enable	0:Off 1:On	0
INPT	Instrument communication protocol	0:RS232/RS485/RS/422 1:Ethernet	1
INAD	Instrument address	0:Disable 1~32	1
INBR	Instrument baud rate	0:9600 1:14400 2:19200 3:28800 4:38400 5:57600 6:115200	4
INDF	Instrument data format	0:Automation 1: User Define	0
INIP1~2	Instrument Ethernet IP address total digital is 4 INIP1:digital 1~2 INIP1:digital 3~4	0~65535	192.168 0.111
INSM1~2	Instrument Ethernet subnet mask total	0~65535	255.255 255.0

	digital is 4 INIP1:digital 1~2 INIP1:digital 3~4		
INDG1~2	Instrument Ethernet default gateway total digital is 4 INIP1:digital 1~2 INIP1:digital 3~4	0~65535	0.0.0.0
INSMEN	Instrument summer time enable	0:Disable 1:Enable	0
INSMSM	Instrument summer time start month	1~12	4
INSMSD	Instrument summer time start day	1~31	1
INSMEM	Instrument summer time end month	1~12	9
INSMED	Instrument summer time end day	1~31	30
INSTMT	Instrument set clock month	0~12 0:do not set clock	0
INSTDY	Instrument set clock day	1~31	---
INSTYR	Instrument set clock year	2000~2100	---
INSTHR	Instrument set clock hour	0~23	---
INSTMN	Instrument set clock minute	0~60	---
INSTSD	Instrument set clock second	0~60	---
CT(x)PS	Counter preset value	0~65535	0
CT(x)EV(x)TP DI(x)EV(x)TP TZ(x)EV(x)TP	Counter, DI and Tolizer event type	0:None 1:Hi 2:Low	0
CT(x)EV(x)SP	Counter event set point	0~65535	100
TZ(x)SR	Totalizer source	0~17:AI1~AI18	0

		18~35:Math1~Math18	
TZ(x)AC	Totalizer action	0:Disable 1:Enable	0
TZ(x)PI	Totalizer period	0:Sec 1:Min 2:Hour	0
TZ(x)PSH TZ(x)PSL	Totalizer preset hi word and low word must be marge	0 to 4,294,967,295	0
TZ1EVSP	Totalizer event set point	0~65535	100.0
MA(x)EX1~18	Math expression total char is 36 EX1:char 1~2 …… EX18:char 35~36	0~65535	0
CDMD(x)	IO card channel mode (x)/6 is slot no (x)%6 is channel no	bit0~1:Total channel, bit2~3:Card version bit4~7:Card Type (8:AI, C:DI, E:DO)	---

Input sensor type range:

Type	Range
J	-120℃~1000℃ -184℉ ~1832℉
K	-200℃~1370℃ -328℉ ~2498℉
T	-250℃~400℃ -418℉ ~752℉
E	-100℃~900℃ -148℉ ~1652℉
B	0℃~1800℃ 32℉ ~3272℉
R	0℃~1767.8℃ 32℉ ~3214℉
S	0℃~℉1767.8C 32℉ ~3214℉
N	-250℃~1300℃ -418℉ ~2372℉
L	-200℃ ~900℃ -328℉ ~1652℉
TC1	-250℃ ~1820℃ -418℉ ~3308℉
PT100	-210℃~700℃ -346℉ ~1292℉
JPT100	-200℃~600℃ -328℉ ~1112℉
RTD1	-250℃ ~1820℃ -418℉ ~3308℉

4.Modbus communication

4-1.Data Conversion:

The word data are regarded as unsigned (positive) data in the Modbus message.
However,the actual value of the parameter may be negative value with decimal
point.The high/low scale values for each parameter are used for the purpose of such
conversion.

Let M=Value of Modbus message
A=Actual value of the parameter
SL=Scale low value of the parameter
SH=Scale high value of the parameter

The conversion formulas are as follows:

$M=65535*(A-SL)/(SH-SL)$
$A=M*(SH-SL)/65535+SL$

4-2.Read Holding Registers

Description

Reads the binary contents of holding registers in the slave.

Broadcast is not supported.

Query

The query message specifies the starting register and quantity of registers to be
read. Registers are addressed starting at zero: registers 1–16 are addressed as 0–15.
Here is an example of a request to read registers 2108–2110 from slave device17:

QUERY

Field Name	Example (Hex)
Slave Address	11
Function	03
Starting Address Hi	08
Starting Address Lo	3C
No. of Points Hi	00
No. of Points Lo	03
Error Check (CRC)	--

Response

The register data in the response message are packed as two bytes per register,with the

binary contents right justified within each byte. For each register, the firstbyte contains the high order bits and the second contains the low order bits.The response is returned when the data is completely assembled.Here is an example of a response to the query on the opposite page:

RESPONSE

Field Name	Example (Hex)	
Slave Address		11
Function	03	
Byte Count	06	
Data Hi (Register 2108)		02
Data Lo (Register 2108)		2B
Data Hi (Register 2109)		00
Data Lo (Register 2109)		00
Data Hi (Register 2110)		00
Data Lo (Register 2110)		64
Error Check (CRC)		--

The contents of register 2108 are shown as the two byte values of 02 2B hex, or555 decimal. The contents of registers 4109–4110 are 00 00 and 00 64 hex, or 0 and 100 decimal.

4-3.Read Input Registers
Description
Reads the binary contents of input registers in the slave.
Broadcast is not supported.
Query
The query message specifies the starting register and quantity of registers to beread. Registers are addressed starting at zero: registers 1–16 are addressed as 0–15.Here is an example of a request to read register 2009 from slave device 17:

QUERY

Field Name	Example (Hex)	
Slave Address		11
Function	04	
Starting Address Hi		07

Starting Address Lo   D9

No. of Points Hi   00

No. of Points Lo   01

Error Check (CRC)   --

Response

The register data in the response message are packed as two bytes per register,with the binary contents right justified within each byte. For each register, the first byte contains the high order bits and the second contains the low order bits.

The response is returned when the data is completely assembled.Here is an example of a response to the query on the opposite page:

RESPONSE

Field Name	Example (Hex)	
Slave Address		11
Function	04	
Byte Count	02	
Data Hi (Register 2009)		00
Data Lo (Register 2009)		0A
Error Check (CRC)		--

The contents of register 2009 are shown as the two byte values of 00 0A hex, or 10 decimal.

4-4.Preset(Write) Multiple Registers

Description

Presets values into a sequence of holding registers.

Note The function will override the controller's memory protect state.The preset values will remain valid in the registers until the controller's logic next solves the register contents. The register values will remain if they are not programmed in the controller's logic.

Query

The query message specifies the register references to be preset. Registers are addressed starting at zero: register 1 is addressed as 0. The requested preset values are specified in the query data field. Data is packed as two bytes per register. Here is an example of a request to preset two registers starting at 2002 to 00 0A and 01 02 hex, in slave device 17:

QUERY

<div style="text-align: center;">Example</div>

Field Name	(Hex)	
Slave Address		11
Function	10	
Starting Address Hi		07
Starting Address Lo		D2
No. of Registers Hi		00
No. of Registers Lo		02
Byte Count	04	
Data Hi	00	
Data Lo	0A	
Data Hi	01	
Data Lo	02	
Error Check (LRC or CRC)	--	

Response

The normal response returns the slave address, function code, starting address, and quantity of registers preset.Here is an example of a response to the query shown above.

RESPONSE

<div style="text-align: center;">Example</div>

Field Name	(Hex)	
Slave Address		11
Function	10	
Starting Address Hi		00
Starting Address Lo		01
No. of Registers Hi		00
No. of Registers Lo		02
Error Check (CRC)		--

4-5.Placing the CRC into the Message

When the 16–bit CRC (two 8–bit bytes) is transmitted in the message, the low-order byte will be transmitted first, followed by the high-order byte.

For example, if the CRC value is 1241 hex (0001 0010 0100 0001):

CRC Byte Sequence:

Addr Func Data   Data Data Data Data CRC CRC

Example

An example of a C language function performing CRC generation is shown on the following pages. All of the possible CRC values are preloaded into two arrays, which are simply indexed as the function increments through the message buffer. One array contains all of the 256 possible CRC values for the high byte of the 16–bit CRC field, and the other array contains all of the values for the low byte.Indexing the CRC in this way provides faster execution than would be achieved by calculating a new CRC value with each new character from the message buffer.

CRC Generation Function

unsigned short CRC16(puchMsg, usDataLen)

```
unsigned char *puchMsg ;                /* message to calculate CRC upon       */
unsigned short usDataLen ;              /* quantity of bytes in message     */

{
    unsigned char uchCRCHi = 0xFF ;        /* high byte of CRC initialized     */
    unsigned char uchCRCLo = 0xFF ;        /* low byte of CRC initialized
    */
    unsigned uIndex ;                  /* will index into CRC lookup table     */
    while (usDataLen—)                 /* pass through message buffer           */

    {
        uIndex = uchCRCHi ^ *puchMsgg++ ;      /* calculate the CRC
    */
        uchCRCHi = uchCRCLo ^ auchCRCHi[uIndex} ;
        uchCRCLo = auchCRCLo[uIndex] ;
    }

    return (uchCRCHi << 8 | uchCRCLo) ;
}
```

High-Order Byte Table
/* Table of CRC values for high–order byte */
static unsigned char auchCRCHi[] = {

0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81,

0x40, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0,

0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01,

0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0, 0x80, 0x41,

0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81,

0x40, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0,

0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01,

0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40,

0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81,

0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0,

0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01,

0xC0, 0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41,

0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81,

0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0,

0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01,

0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41,

0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81,

0x40

} ;

Low-Order Byte Table

/* Table of CRC values for low–order byte */

static char auchCRCLo[] = {

0x00, 0xC0, 0xC1, 0x01, 0xC3, 0x03, 0x02, 0xC2, 0xC6, 0x06, 0x07, 0xC7, 0x05, 0xC5, 0xC4,

0x04, 0xCC, 0x0C, 0x0D, 0xCD, 0x0F, 0xCF, 0xCE, 0x0E, 0x0A, 0xCA, 0xCB, 0x0B, 0xC9, 0x09,

0x08, 0xC8, 0xD8, 0x18, 0x19, 0xD9, 0x1B, 0xDB, 0xDA, 0x1A, 0x1E, 0xDE, 0xDF, 0x1F, 0xDD,

0x1D, 0x1C, 0xDC, 0x14, 0xD4, 0xD5, 0x15, 0xD7, 0x17, 0x16, 0xD6, 0xD2, 0x12, 0x13, 0xD3,

0x11, 0xD1, 0xD0, 0x10, 0xF0, 0x30, 0x31, 0xF1, 0x33, 0xF3, 0xF2, 0x32, 0x36, 0xF6, 0xF7,

0x37, 0xF5, 0x35, 0x34, 0xF4, 0x3C, 0xFC, 0xFD, 0x3D, 0xFF, 0x3F, 0x3E, 0xFE, 0xFA, 0x3A,

0x3B, 0xFB, 0x39, 0xF9, 0xF8, 0x38, 0x28, 0xE8, 0xE9, 0x29, 0xEB, 0x2B, 0x2A, 0xEA, 0xEE,

0x2E, 0x2F, 0xEF, 0x2D, 0xED, 0xEC, 0x2C, 0xE4, 0x24, 0x25, 0xE5, 0x27, 0xE7, 0xE6, 0x26,

0x22, 0xE2, 0xE3, 0x23, 0xE1, 0x21, 0x20, 0xE0, 0xA0, 0x60, 0x61, 0xA1, 0x63, 0xA3, 0xA2,

0x62, 0x66, 0xA6, 0xA7, 0x67, 0xA5, 0x65, 0x64, 0xA4, 0x6C, 0xAC, 0xAD, 0x6D, 0xAF, 0x6F,

0x6E, 0xAE, 0xAA, 0x6A, 0x6B, 0xAB, 0x69, 0xA9, 0xA8, 0x68, 0x78, 0xB8, 0xB9, 0x79, 0xBB,

0x7B, 0x7A, 0xBA, 0xBE, 0x7E, 0x7F, 0xBF, 0x7D, 0xBD, 0xBC, 0x7C, 0xB4, 0x74, 0x75, 0xB5,

0x77, 0xB7, 0xB6, 0x76, 0x72, 0xB2, 0xB3, 0x73, 0xB1, 0x71, 0x70, 0xB0, 0x50, 0x90, 0x91,

0x51, 0x93, 0x53, 0x52, 0x92, 0x96, 0x56, 0x57, 0x97, 0x55, 0x95, 0x94, 0x54, 0x9C, 0x5C,

0x5D, 0x9D, 0x5F, 0x9F, 0x9E, 0x5E, 0x5A, 0x9A, 0x9B, 0x5B, 0x99, 0x59, 0x58, 0x98, 0x88,

0x48, 0x49, 0x89, 0x4B, 0x8B, 0x8A, 0x4A, 0x4E, 0x8E, 0x8F, 0x4F, 0x8D, 0x4D, 0x4C, 0x8C,

0x44, 0x84, 0x85, 0x45, 0x87, 0x47, 0x46, 0x86, 0x82, 0x42, 0x43, 0x83, 0x41, 0x81, 0x80,

0x40

} ;

4-6.Sample Code

A request to read holding register 00 from slave device 01:

```
char buffer[10];
int SL=ScaleLo of registers 00,
    SH=ScaleHi of registers 00;
ReadData(1,3,0,1,buffer);
int M=MAKEWORD(buffer[4],buffer[3]);
/* The content of register 00 is as follow: */
ConverseData(M,SL,SH);
```

A request to read Input register 00 from slave device 01:

```
char buffer[10];
int SL=ScaleLo of registers 00,
    SH=ScaleHi of registers 00;
ReadData(1,4,0,1,buffer);
int M=MAKEWORD(buffer[4],buffer[3]);
/* The content of register 00 is as follow: */
ConverseData(M,SL,SH);
```

A request to preset two registers starting at 0 to 1 and 2, in slave device 01:

```
char buf[4];
int SL0=ScaleLo of registers 00,
    SH0=ScaleHi of registers 00,
    SL1=ScaleLo of registers 01,
    SH1=ScaleHi of registers 01,
    M0=65535*(1-SL0)/(SH0-SL0),
    M1=65535*(2-SL1)/(SH1-SL1);
buf[0]=HIBYTE[M0];
buf[1]=LoBYTE[M0];
buf[2]=HIBYTE[M1];
buf[3]=LoBYTE[M1];
WriteData(1,16,0,1,buffer);
```

How to get the real-time value of Pen1 in recorder via Modbus.

Step1:Read the parameters Decimal,ScaleLo and ScaleHi of Pen1.

```
The sample codes are as follows:
int Pen1Dp,//Decimal point of Pen1
    Pen1SL,//ScaleLo of Pen1
    Pen1SH,//ScaleHi of Pen1
```

100

Pen1Val;//real-time value of Pen1

```
    float A;//Actual value of the parameter
    int M,//Value of Modbus message
        SL,//Scale low value of the parameter
        SH;//Scale high value of the parameter
    unsigned char MbsBuf[20];
    //Decimal
    if(ReadData(1,3,2,1,MbsBuf))
    {
        /*          Parse Data          */
        M=MAKEWORD(MbsBuf[4],MbsBuf[3]);
        /*      Converse Data              */
        Pen1Dp=ConverseData(M,SL,SH);
    }
    //ScaleLo
    Pen1SL=SL/(10^Dp)
    //ScaleHi
    Pen1SH=SL/(10^Dp)
```

Step2:Read the real-time value of Pen1.(Continued)

```
    The sample codes are as follows:
    //Value of Input Register
    if(ReadData(1,4,0,1,MbsBuf))
    {
        /*          Parse Data          */
        M=MAKEWORD(MbsBuf[4],MbsBuf[3]);
        /*      Converse Data              */
        Pen1Val=ConverseData(M,Pen1SL,Pen1SH);
    }
```

```
//Read function
bool ReadData(int Addr,int Func,int StReg,int RegNum,unsigned char *MbsBuf)
{
    unsigned char msg[20];
    unsigned short Crc;
    msg[0]=Addr;
    msg[1]=Func;
    msg[2]=HIBYTE[StReg];
```

```
msg[3]=LOBYTE[StReg];
msg[4]=HIBYTE[RegNum];
msg[5]=LOBYTE[RegNum];
Crc=CRC16(msg,6);
msg[6]=HIBYTE[Crc];
msg[7]=LoBYTE[Crc];
int snd=8,//Byte number of buffer msg
    rcv=5+RegNum*2;
/*    Send snd bytes content of msg to COMM port    */
/*    Receive rcv bytes of response from COMM port to MbsBuf    */
if (successfully)
    return true;
else
    return false;
}

//Write function
bool WriteData(int Addr,int Func,int StReg,int RegNum,unsigned char *MbsBuf)
{
    unsigned char msg[300];
    unsigned short Crc;
    msg[0]=Addr;
    msg[1]=Func;
    msg[2]=HIBYTE[StReg];
    msg[3]=LOBYTE[StReg];
    msg[4]=HIBYTE[RegNum];
    msg[5]=LOBYTE[RegNum];
    msg[6]=RegNum*2;
    memcpy(&(msg[7]),MbsBuf,msg[6]);
    int count=6+msg[6];
    Crc=CRC16(msg,count);
    msg[count]=HIBYTE[Crc];
    msg[count+1]=LoBYTE[Crc];
    count=count+2;
    int snd=count,//Byte number of buffer msg
        rcv=8;
    /*    Send snd bytes content of msg to COMM port    */
    /*    Receive rcv bytes of response from COMM port to MbsBuf    */
    if (successfully)
```

```
            return true;
        else
            return false;
}


float ConverseData(int M,int SL,int SH)
{
        float A;//Actual value of the parameter
        /*       Converse Data           */
        A=M*(SH-SL)/65535+SL;

        return A;
}
```

4-7. Modbus/TCP

This section describes the general form of encapsulation of a MODBUS request or
response when carried on the MODBUS/TCP network. It is important to note that the
structure of the request and response body, from the function code to the end of the data
portion, have EXACTLY the same layout and meaning as MODBUS serial port- RTU
(binary) encoding.
The only differences in these other cases are the form of any 'framing' sequence, error
check pattern, and address interpretation.

All requests are sent via TCP on registered port 502.

The MODBUS 'slave address' field is replaced by a single byte 'Unit Identifier' which
may be used to communicate via devices such as bridges and gateways which use a
single IP address to support multiple independent end units.

The request and response are prefixed by six bytes as follows

byte 0:   transaction identifier - copied by server - usually 0
byte 1:   transaction identifier - copied by server - usually 0
byte 2:   protocol identifier = 0
byte 3:   protocol identifier = 0
byte 4:   length field (upper byte) = 0 (since all messages are smaller than 256)
byte 5: length field (lower byte) = number of bytes following

byte 6: unit identifier (previously 'slave address')

byte 7:   MODBUS function code

byte 8 on:data as needed

So an example transaction 'read 1 register at offset 4 from UI 9' returning a value of 5 would be

request: 00 00 00 00 00 06 09 03 00 04 00 01

response: 00 00 00 00 00 05 09 03 02 00 05

Designers familiar with MODBUS should note that the 'CRC-16'check fields are NOT needed in MODBUS/TCP. The TCP/IP and link layer (eg. Ethernet) checksum mechanisms instead are used to verify accurate delivery of the packet.
For examples,please see section 6 'Sample Code'.The only differences in these examples are the prifixed six bytes and removed CRC.