

RW1070-A

Programmable 2-wire
temperature transmitter
2, 3 or 4-wire Pt100 input
4-20 mA output



► Specific features

- compatible with all types of 2, 3 or 4-wire Pt100 sensors
- excellent measurement stability
- 4-20 mA output with galvanic isolation
- rugged
- lightweight and compact
- electrical connection by TRIM TRIO connector

► Description

Adaptable for all types of 2, 3 or 4-wire Pt100 sensors qualified for a temperature range from -40°C to $+300^{\circ}\text{C}$, the RW1070-A programmable transmitter can be used to convert the temperatures measured into a 4-20 mA linear signal.

Protected in a casing designed for wall mounting, this transmitter can be connected to the sensor very quickly. Lightweight and compact, it is ideal for applications in confined spaces. This high-performance, versatile instrument also offers excellent stability over time.

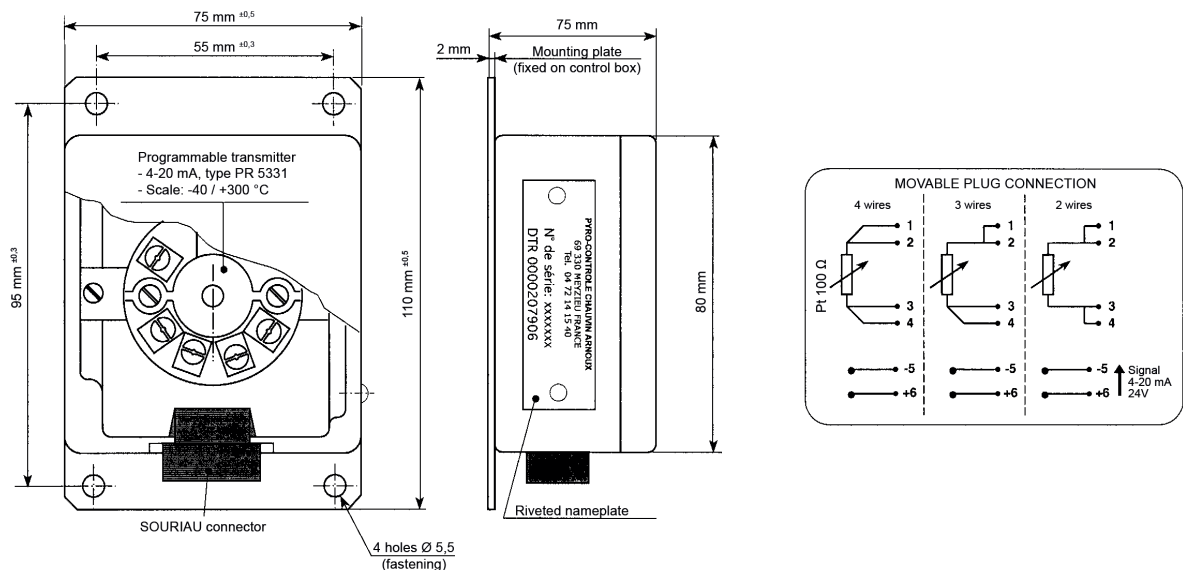


► RW1070-A Technical Specifications

Transmitter	Input	1 Pt100*
	Output	4-20 mA linearized
	Measurement scale (MS) configured on measurement input	-40°C to +300°C
	Operating temperature	-25°C to +70°C
	Storage temperature	-40°C to +80°C (packaging)
	Power supply in the current loop	8.0 to 35 Vcc
	Maximum load resistance	$\leq (V_{supply}-7) / 0.02$
	Probe breakage signal	23 mA
	Linearity error	< 0.1% of MS
	Influence of ambient temperature / 25°C	+/- 0.01% of MS/°C
	Error according to supply voltage	> 0.005% of MS/V
	Galvanic isolation - dielectric tests	1,500 Vrms, 50 Hz 60s 3 mA max.
Casing	Material	Aluminium alloy
	Total weight	480g
	Ingress protection (IEC529)	IP65
	Souriau connector	Rectangular 6-pin TRIM TRIO Type SMS-6R-1, Pins RM-16M-23
Mounting plate	Material	Stainless steel
	Dimensions (HxLxW)	110x75x2 (mm)

*Sensor not supplied

► Drawing



► Standards and qualification

- Rail standards:
EN50155 §10.2.11.2, IEC61373 § 9 ; EN50155 § 10.2.11.3, IEC61373 § 10, IEC 68-2-27 EN50155 §10.2.5 IEC 68-2-30, EN50155 §10.2.3 EN 60068-2-1, EN 50 081-1 & EN 50 081-2, NF F 16-101, NF F 16-102
- Qualification:
Alstom Transport as per TGLS 411 293 000 /B2 ;
DTR 0000207906

► To order

Description	Reference
RW1070-A Programmable 2-wire temperature transmitter with 2, 3 or 4-wire input, 4-20 mA output	LC969702 -000

► Other specifications

Specific product made to specifications:
please contact us.

FRANCE
Pyrocontrolle
6 bis, av du Docteur Schweitzer
69881 MEYZIEU Cedex
Tél : +33 4 72 14 15 40
Fax : +33 4 72 14 15 41
info@pyrocontrolle.com
www.pyrocontrolle.com

UNITED KINGDOM
Chauvin Arnoux Ltd
Nelson Ct, Flagship Sq, Shaw Cross Business Pk
Dewsbury, West Yorkshire - WF12 7TH
Tel: +44 1924 460 494
Fax: +44 1924 455 328
info@chauvin-arnoux.co.uk
www.chauvin-arnoux.com

MIDDLE EAST
Chauvin Arnoux Middle East
P.O. BOX 60-154
1241 2020 JAL EL DIB - LEBANON
Tel: +961 1 890 425
Fax: +961 1 890 424
camie@chauvin-arnoux.com
www.chauvin-arnoux.com

 **CHAUVIN
ARNOUX**
GROUP