

RAIL MOUNTING TRANSMITTER

ALM48

2-wire rail mounting transmitter

ALM48

- Analogue transmitter
- Free scalable
- High accuracy (Typical 0.2%)
- Optional zero shift
- Temperature linear output (Pt100 version)
- 5 Year warranty



Specifications

Power supply	14 – 40 VDC
Polarity protected	Yes
Power supply effect	0.002%/V
Output	4 – 20 mA
Load capability	(V[bat] – 14 V) / 20 mA
Sensor burn out	Upscale (max. 35 mA)
Zero drift	± 0.025%/°C
Span drift	± 0.010%/°C
Ambient Operating Temp.	-20...+80°C
Ingress Protection	IP30
Storage Temperature	-40...+100°C
Housing Material	Polyamide
Housing Dimension W x H x D	22.5 x 79 x 85.5 mm (0.89" x 3.11" x 3.37")
Pt100	
Range	-50 to +800°C
Zero adjustment Pt100	-50 to +50°C
Span adjustment Pt100	50 to 800°C
Optional zero shift Pt100	-50 to +350°C
Linearization	0.1%
Sensor lead effect	0.03°C/Ohm
Max. sensor line resistance	250 Ohm
Thermocouple	
Range T/C K	0 to 1200°C
Range T/C J	0 to 900°C
Range T/C T	0 to 400°C
Zero adjustment T/C	-25 to +50°C
Span adjustment T/C	T/C K: 150 to 1200°C T/C J: 150 to 600°C T/C T: 150 to 400°C
Optional zero shift T/C	0 to +400°C
Cold junction drift	0.03°C/°C
Max. sensor line resistance	10,000 Ohm
mV	
Range	0 to 160 mV
Minimum span	10 mV

Order information

Specify model:

ALM48-R	Input Pt100
ALM48-T-K	Input T/C K
ALM48-T-J	Input T/C J
ALM48-T-T	Input T/C T
ALM48-mV	Input mV

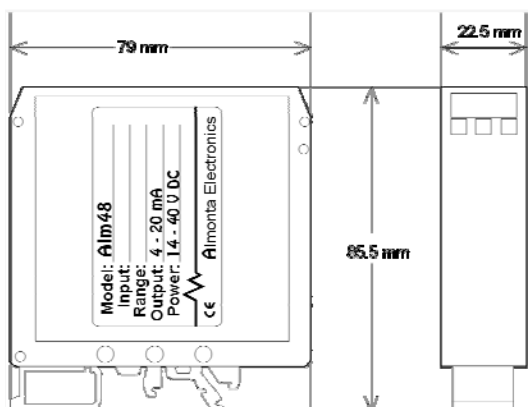
Example:

ALM48-R-Z

Options:

-Z = Zero shift

Dimensions



Sensor ranges

Sensor type	Temp. Min. °C	Temp. Max. °C	Span Min. °C
Pt100 IEC751	-50	800	50
K (NiCr-Ni)	0	1200	150
J (Fe-CuNi)	0	900	150
T (Cu-CuNi)	0	400	150

Sensor type	mV Min.	mV Max.	mV Span Min.
mV	0	160	10