



RAIL MOUNTING TRANSMITTER

Mp88800-R

2-wire rail mounting transmitter

Mp88800-R

- Microprocessor based
- RTD (Pt100 3-wire) input
- Fully linearized
- RFI / EMI protected
- High accuracy (Typical 0.2%)
- ATEX and FM approval available
- 5 Year warranty



Specifications

Input RTD	Pt100 3-wire
Minimum Span	25°C
Output	4...20 mA or 20...4 mA
Linearization	On / Off
Supply	10...40 VDC, Polarity Protected (ATEX certified units 10 – 30 VDC)
Supply Effect	0.02%/V
Max. Ripple	10 V PP. Min Vbat=10 VDC
Zero Drift	± 0.02%/°C or ±0.02°C/°C
Span Drift	± 0.01%/°C or ±0.01°C/°C
Long Term Drift	± 0.1%/Year
Excitation Current, RTD	0.1 mA
Sensor Lead Resistance, RTD	500 Ohm max.
Sensor Lead Resistance Effect	0.01°C/Ohm
Open Circuit Detection	Upscale / Downscale
Load Capability	Vbat-10V / 20 mA
Startup Time	20 sec.
Warmup Time	5 Min.
Ambient Operating Temp.	-40...+ 85°C
Ingress Protection	IP30
Storage Temperature	-40...+100°C
Housing Material	Makrolon
Housing Dimension	22.5 x 75 x 99 mm (0.89" x 2.92" x 3.9")

Order information and options

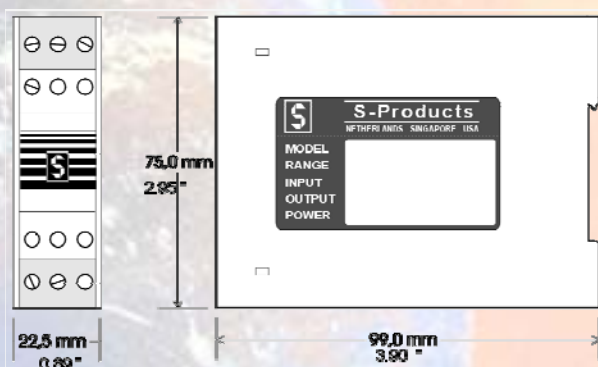
Example:

Model Mp88800-R -EX-FM-IF

Options:

- EX = Intrinsically safe version (ATEX Ex II 1 G EEx ia IIC T4...T6)
- FM = Intrinsically safe version (IS/I/1/ABCD/T6)
- IF = Interface and software

Dimensions



Sensor ranges

Sensor type	Temp. Min. °C	Temp. Max. °C	Span Min. °C
Pt100 IEC751	-200	850	25



S-Products

www.s-products.com