

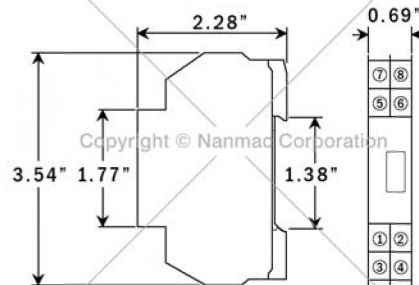
Rail Mount Transmitter Isolated F11-50RM Series

The F11-50RM is a universal, isolated two-wire transmitter. Used for temperature and other measurement applications, it combines competitive functionality and simple configuration. Useful error correction functions improve the accuracy. This device also has these special ratings: FM and ATEX approved. All user specified information is programmed by Nanmac.

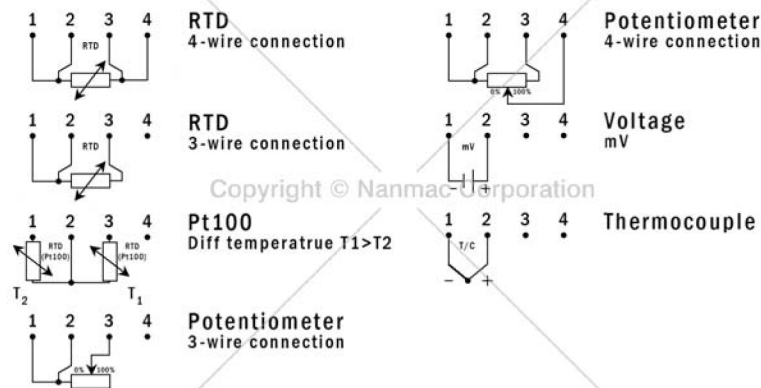
NOTES:

- Fully universal, linearized and isolated
- Accepts RTDs, thermocouples, mV, and Ω
- Sensor error and system (sensor/transmitter) error correction for highest total accuracy.
- Full access to all features while in operation
- NAMUR compliant
- Consistent sensor break function
- Simplified loop check-up with calibration output.
- Test output without breaking the loop

Dimensions



Input Connections



Special Ratings:

- For FM approved device, add suffix "FM" to the part number
- For ATEX approved device, add suffix "ATEX" to the part number

User Specified Information (programmed by NANMAC)

- 1) Input Sensor Type
- 2) Cold Junction
(thermocouple only, default is 32°F / 0°C)
- 3) Temperature Scale °F or °C
- 4) Temperature Range
(full sensor range as default)
- 5) Sensor Break Detection
(upscale or downscale - upscale is default)

Temperature Ranges and Specifications

Input RTD 3-,4-wire connection	Pt100 (a=0.00385) -200 to 1000°C / -328 to 1832°F Pt1000 (a=0.00385) -200 to 200°C / -328 to 392°F PtX10 $\leq X \leq 1000$ (a=0.00385) Upper Range Depending on X-Value Pt100 (a=0.003902) -200 to 1000°C / -328 to 1832°F Pt100 (a=0.003916) -200 to 1000°C / -328 to 1832°F Ni100 (1) -60 to 250°C / -76 to 482°F Ni1000 (1) -10 to 150°C / 14 to 302°F
Input Potentiometer Resistance	3-,4-wire connection, 0 - 2000 Ω
Input Thermocouples	Types: B, C, E, J, K, N, R, S, T
Input mV	-10 to 500 mV
Sensor Failure	User Definable Output
Adjustments - Zero	Any Value Within Range Limits
Minimum Spans	100° either F or C
Output	4-20 mA, Temperature Linear
Operating Temperature	-20 to 70°C / -4 to 158°F
Galvanic Isolation	1500 VAC, 1 min.
Power Supply	6.5 to 36 VDC 8 to 30 VDC
Intrinsic Satety	ATEX: II (1) G [EEEx ia] IIC (Mounting in safe area) FM: Class I-III, Div. 1, Gr. A-G
Typical Accuracy	$\pm 0.1\%$ of Temperature Span
Connection Head	Rail acc. to DIN EN50022, 35mm