

PRODUCT INFO SHEET

Nanmac Corporation

Quality • Performance • Solutions

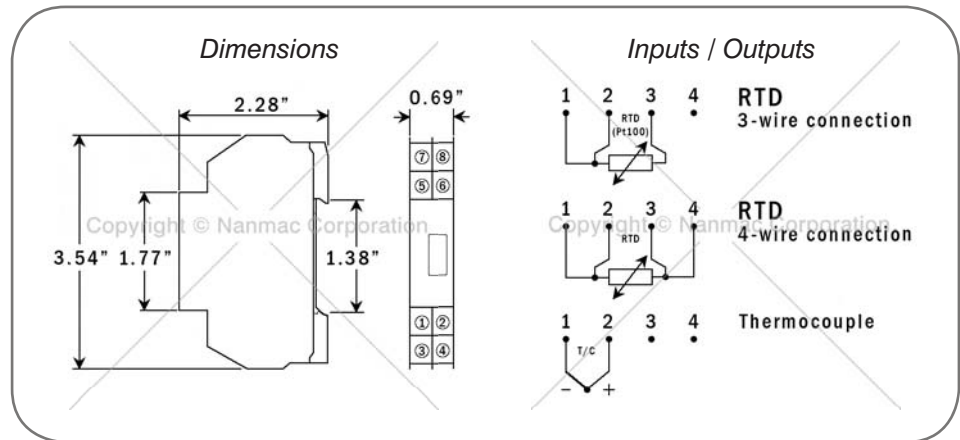
Rail Mount Transmitter Standard F11-40RM Series

The F11-40RM series is a basic, non-isolated, easy-to-use two-wire transmitter. Needing no external power supply other than your LOOP power, the F11-40RM can be used for three or four wire RTDs; as well as, thermocouple calibration types B, C (W5), E, J, K, N, R, S & T.

Thermocouple input cold junction compensation (CJC) is fully automatic by means of an accurate measurement of the terminal temperature. Alternatively, the CJC can be disabled upon request. Also available are head mount enclosures with digital displays. Either regular duty or heavy duty, NEMA rated head mount displays.

NOTES:

- Accepts RTD in three and four wire connection and 11 thermocouple types
- NAMUR compliant
- This non-isolated device should not be used with multiple grounded junction thermocouples when signals are input into each of their own transmitter. All signals are input into the same data acquisition system.
- Typical span is full range of sensor, can be programmed for special ranges.
Example: 100-500 degrees Fahrenheit



Temperature Ranges and Specifications

Input RTD 3-,4-wire connection	Pt100 (a=0.00385) Pt1000 (a=0.00385) PtX10 ≤X≤ 1000 (a=0.00385) Pt100 (a=0.003902) Pt100 (a=0.003916) Ni100 (1) Ni1000 (1)	-200 to 1000°C / -328 to 1832°F -200 to 200°C / -328 to 392°F Upper Range Depending on X-Value -200 to 1000°C / -328 to 1832°F -200 to 1000°C / -328 to 1832°F -60 to 250°C / -76 to 482°F -10 to 150°C / 14 to 302°F
Input Thermocouples	Types:	B, C, E, J, K, N, R, S, T
Sensor Failure	Upscale, Downscale or Off	
Adjustments - Zero	Any Value Within Range Limits - Refresh Rate	
Minimum Spans	100° either F or C	
Output	4-20 Temperature Linear	
Operating Temperature	-20 to 70°C / -4 to 158°F	
Galvanic Isolation	No	
Power Supply	8 to 36 VDC	
Typical Accuracy	±0.15% of Temperature Span	
Connection Head	Rail acc. to DIN EN50022, 35mm	

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)

11 Mayhew Street
Framingham, MA 01702
www.Nanmac.com
engineering@nanmac.com

Foremost in Temperature Measurement™
NANMAC

US & Canada: 1.800.786.4669
International: 1.508.872.4811
Fax: 1.508.879.5450
info@nanmac.com