

PMD-MXT Series Digital Temperature Scanner Indicator

Features

- Accepts 8, 16, 24 or 32 input channels
- Visible high & low temperature alarm LEDs
- Display value in °F or °C (User selectable)
- RS-485 Communications for remote operation
- Independent dual HI/LO temperature alarms

Applications

- Factory Automation
- Process Control
- R&D Testing



Overview

The PMD-MXT series Thermocouple/RTD scanner is perfect for any multi-point temperature measurement application. The bright red LED display is easy to read, even at a distance.

Splash-resistant front panel keypad is easy to clean & wipe down.

The indicator has 2 user-selectable HI/LO, HI/HI, or LO/LO alarm set points, configured through the front panel push buttons. During an alarm condition a front panel LED annunciator is enabled & an internal 2 Amp relay contact output is engaged.

The indicator display will cycle through all input channels at a user determined rate of 0.5 ~ 10 seconds.

24 VDC powered. A must have for multi-point temperature monitoring in the Lab, control room, or Dynamometer.

Specifications

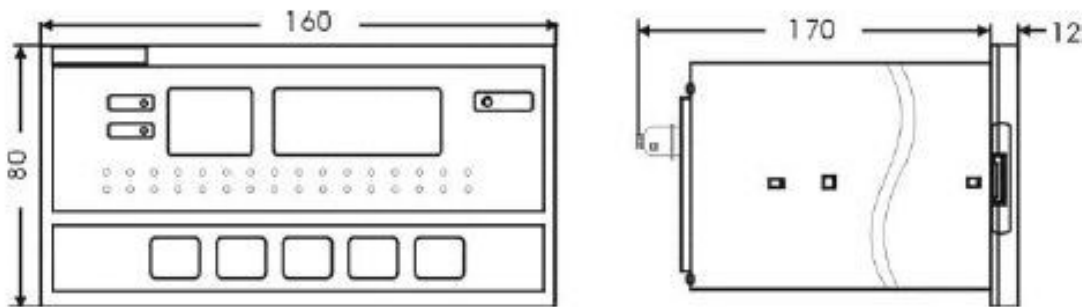
Input type:	RTD: PT100, CU100, CU50
	Thermocouple: J, K, T, B, E, N, R, S
Accuracy:	RTD: +/- 1.0% of full scale
	Thermocouple: +/- 0.5% of full scale
Resolution:	RTD (0.1° Res): -167.9 to 999.9°F (-189.9 to 596.9°C)
	TC (0.1° Res): -167.9 to 999.9°F (-199.9 to 999.9°C)
	TC (1° Res): -412 to 3271°F (-257 to 1800°C)
Display:	4-digit LED, 0.56 inch (14 mm high)
Sample Rate:	From 0.5 to 10 seconds per channel (User selectable)
Power:	20 to 28 VDC @ 400 mA (nominal)
Dimensions:	6.3 inch x 3 inch x 7 inch (160 mm x 80 mm x 182 mm) (Cutout: 6 inch x 3 inch (152 mm x 76 mm))
Weight:	2 pounds (900 grams)
Relay contact:	250 VAC @ 2 amps (resistance load)
Environment:	0 to 50°C, 90% Max. RH (non-condensing)

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Specifications (continued)

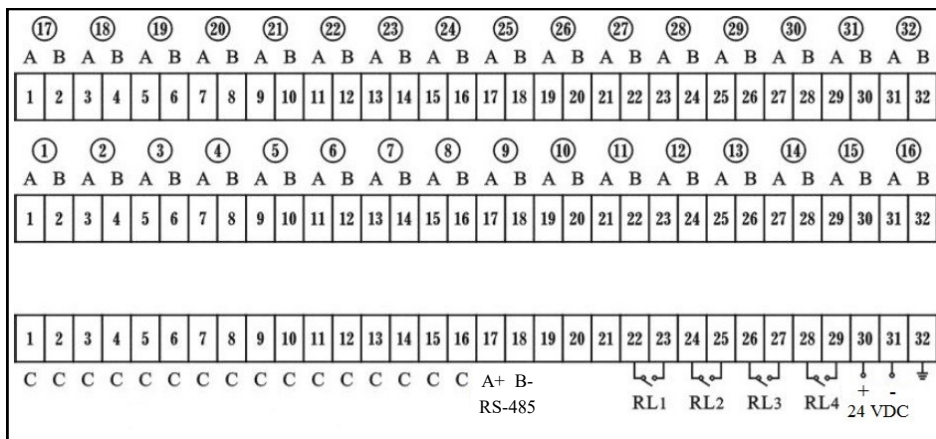
Measuring Range:	PT100 RTD:	-167.9 to 999.9°F	(-189.9 to 596.9°C)
	B:	1050 to 3243°F	(566 to 1784°C)
	E:	-317 to 1502°F	(-194 to 817°C)
	J:	-319 to 1988°F	(-195 to 1087°C)
	K:	-328 to 2498°F	(-200 to 1370°C)
	N:	-328 to 2370°F	(-200 to 1299°C)
	R:	-40 to 3169°F	(-40 to 1743°C)
	S:	-24 to 3153°F	(-31 to 1734°C)
	T:	-320 to 752°F	(-196 to 400°C)

Dimensions



(Dimensions in mm)

Rear Panel Wiring Schematic



Ordering Information

Model	Input Channels	Input Type
PMD-MXT	-XX	-XXX
	08 8 channels	RTD RTD
	16 16 channels	THC Thermocouple
	24 24 channels	
	32 32 channels	

Ordering Example

PMD-MXT-24-RTD: 24 input channels, RTD input type