Features

- Accepts 8, 16, 24 or 32 input channels
- Visible high & low temperature alarm LEDs
- Displays 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: Thermocouple:	PT100, CU100, CU50 J, K, T, B, E, N, R, S	
Accuracy:	RTD : Thermocouple:	+/- 1.0% of full scale +/- 0.5% of full scale	
Resolution:	TC (0.1° Res):	-167.9 to +999.9°F (-189.9 to +596.9°C) -167.9 to +999.9°F (-199.9 to +999.9°C) -412 to 3271°F (-257 to 1800°C)	
Display:	4-digit LED, 0.56 inch (14 mm high)		
Sample Rate:	0.1 second per channel		
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)		

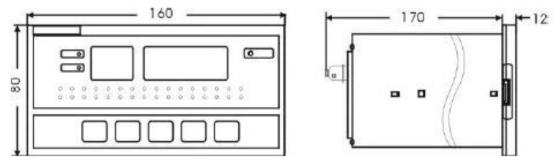


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Specifications (continued)

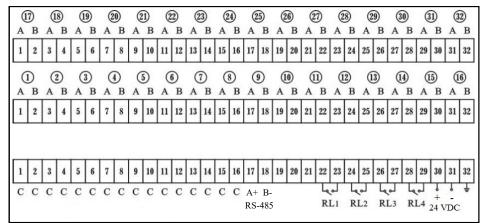
PT100: B: E: J: K: N: R: S:	-167.9 to +999.9°F +1050 to 3243°F -317 to +1502°F -319 to 1988°F -328 to 2498°F -328 to 2370°F -40 to +3169°F -24 to 3153°F	(-189.9 to +596.9°C) (+566 to +1784°C) (-194 to +817°C) (-195 to +1087°C) (-200 to +1370°C) (-200 to +1299°C) (-40 to +1743°C) (-31 to +1734°C)
T:	-320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

Dimensions



(Dimensions in mm)

Rear Panel Wiring Schematic



Ordering Information

Model	Input Channels	Input Type
PMD-MXT	-XX	-XXX

Ordering Example

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

