

# TPR6-14



**Temperature Protection Relay**  
dependable performance  
in a compact package  
Monitors 1 - 14 RTD / Thermistor Inputs



accepted worldwide  
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# TPR6-14

## Temperature Protection Relay

The TPR6 monitors 1-14 RTD/Thermistor temperature inputs. It accurately measures the temperature increase to protect the motor / transformer from damage due to heat build-up in the windings and / or bearings. The built-in self test protects against disconnected sensors and operator faults.

### Performance Features

- Advanced microprocessor based circuitry
- Display of operating RTD or Thermistor Data, Fault and Statistics
- Programmable inputs and outputs
- RS-485 communication with MODBUS protocol
- Easy installation and friendly operation
- Two level protection for Alarm and Trip
- Selection between Trip and Trip fail-safe
- Analog output related to any input or input combinations
- RTD / Thermistor selection
  - RTDs 100 ohm Platinum (PT100)
  - Thermistor - PTC or NTC
- Disconnected sensor protection

### Protection Features

- RTD / Thermistor with two levels for each input
- Thermistor PTC / NTC selection
- Over temperature Alarm and Trip to each input
- Continuous analog output signal
- External fault 1 and 2

### Protection Functions

Exact input can be assigned to any of the following items:

- Alarm only - Relay A
- Trip only - Relay B
- Alarm and Trip
- Disabled
- Enabling Auto Reset
- Programmable Relay C

### TPR6 Dimensions

H x W x D (in inches) = 5.7" x 3.8" x 3.85"



### Applications

- L.V. and M.V. motors (Windings & Bearings)
- Motors driven by Variable Frequency Drives
- Transformers
- Multiple winding and bearing devices (turbines)



### How to Order:

Example:

TPR6 - 14 - 2 - M - 0 - S

↓                      ↓                      ↓  
 Supply            Modbus            0 = Standard Unit  
 Voltage            Comm                M = Marine Approved  
 110 - 230V  
 50/60 Hz  
 or DC