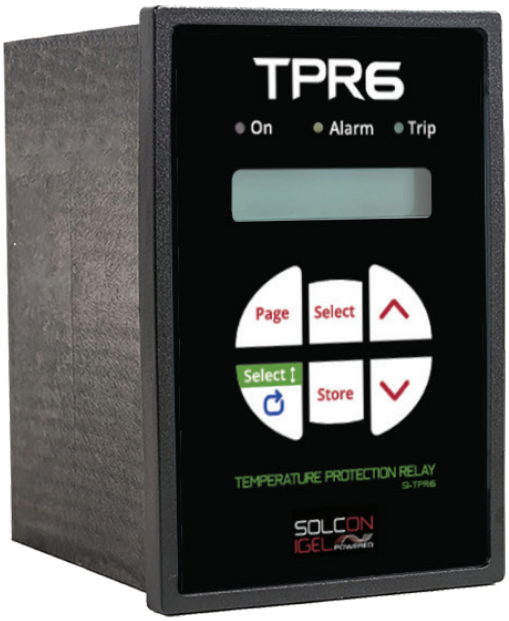
TPR6

Temperature Protection Relay

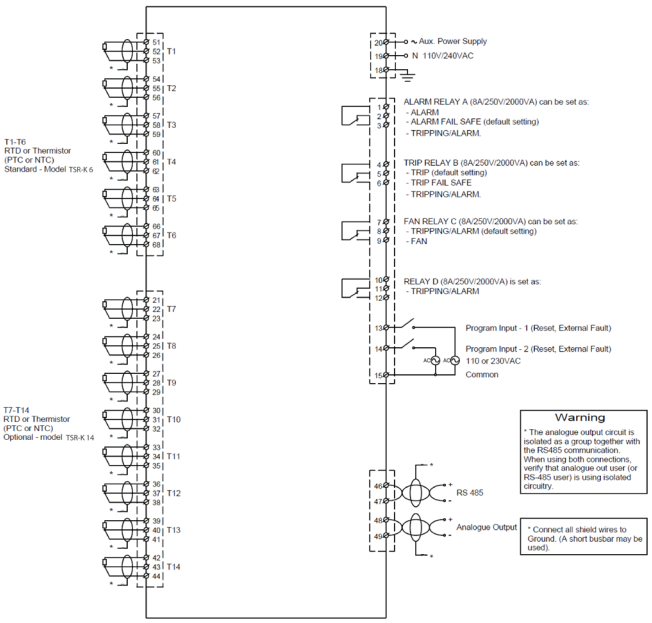


The TPR6 is a microprocessor-based relay designed by Solcon-IGEL to provide advanced temperature protection for electric motors, transformers, and other critical systems. Engineered for reliability, it safeguards against over-temperature conditions, ensuring optimal performance in diverse industrial applications.

Specifications

- Temperature Inputs: 6 or 14
- Input Types: Thermistors (PTC or NTC), RTDs (Pt100)
- Protection Levels: Programmable
- Time Delays: Programmable
- Analog Output: Grouping capability
- Fan Control: Temperature threshold and time delays programmable
- H/W/D - 144mm/96mm/107mm
- Weight - 0.80Kg

Wiring Example



*For illustration purposes only

Applications

- Industrial Heating Process
- Over-temperature Protection
- Cooling management
- HVAC Systems

Features

- 6 or 14 temperature inputs for monitoring Thermistors (PTC or NTC) and RTDs (Pt100).
- Each temperature input can be Disabled or Enabled and designated as Thermistor-PTC, Thermistor-NTC, or RTD (Pt100).
- Programmable protection levels and time delays for customized temperature monitoring.
- Grouping functionality for combining data in the analog output.
- Fan control function with adjustable temperature threshold and time delays for efficient cooling management.

Protection Functions

Exact input for any of the following items:

- Alarm only - Relay A
- Trip only - Relay B
- Fan (Trip, Alarm)- Relay C
- Trip/Alarm- Relay D
- Enabling Auto Reset

Ordering Information

TPR6	14	2	M	0	S
	No' Temp. Inputs	Supply Voltage	Comm.	Options	Front Panel
No' Temp. Inputs					
Specify	Description				
6	6 Temperature Inputs				
14	14 Temperature Inputs				
Supply Voltage					
Specify	Description				
2	110 – 240 VAC, 50/60Hz , or DC (+10% -15%)				
Communication					
Specify	Description				
3M	Communication RS-485 Board (MODBUS) (1)				
Options					
Specify	Description				
0	No options				
M	Marine (Consult Factory)				
8	Conformal Coating (Harsh environment treatment)				
Front Panel - Standard					

Disclaimer

This data sheet is provided for informational purposes only and is subject to change without notice. **Solcon-IGEL accepts no responsibility** for errors or omissions. For the latest updates or specific guidance, please contact your authorized representative.

SOLCON-IGEL GROUP

contact@solconigel.com www.solconigel.com