

TSR-K / 6 & 14

Temperature Protection Relay

The TSR-K 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.



Advantages at a glance

- 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
- Analogue output related to any input or inputs combination
- RTD / Thermistor selection
- 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 analogue output signal
- External fault 1 and 2

Protection functions

Each protection can be assigned to:

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

Applications

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



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