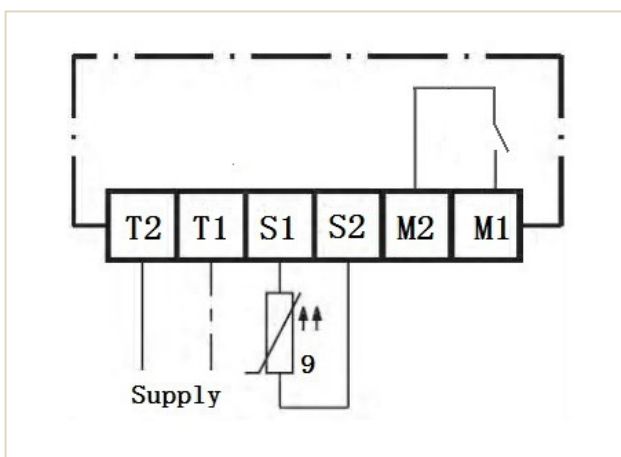
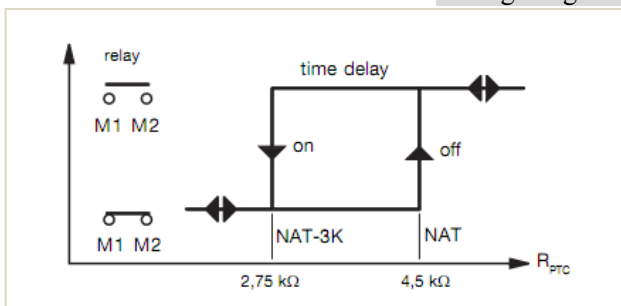


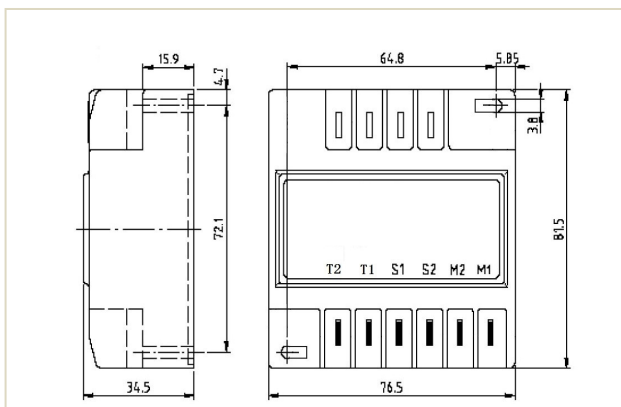
OUT69 SC2 Motor Protector | Copeland Part-No.071-0649-00



Wiring diagram



Switching Hysteresis



Dimensions in mm

Application

The OUT69 SC2 motor protection module has been especially developed to monitor motor winding temperature on scroll refrigeration compressors.

Mainly used for Copeland compressors.

Functional description

Up to 9 PTC-sensors in acc. To DIN 44081/082 with different nominal response temperatures can be connected in series to the measuring circuit input.

If the temperature in one of the areas monitored exceeds the nominal response temperature of the respective PTC-sensor, the sensor resistance increases and the OUT69 SC2 control module switches off. A timer with a running time of 30 min. is started. During this period of time the relay remains locked out. When this period has elapsed or when power supply has been interrupted for approx. 2S (time reset) the relay pulls in, provided the preset resistance value has been reached. Otherwise the relay remains deenergised until the temperature has cooled down by approx. 3K or a fault in the measuring cycle has been eliminated (PTC lead open circuit). True galvanic isolation is present between sensor, relay and supply circuits.



The unit must be connected by trained electrical personnel.

Technical specifications

Supply voltage	AC50Hz 115-230V, AC60Hz 120-240V -15%...+10% 3VA AC50/60Hz 24V -15%...+10% 3VA
Permitted ambient temperature	-30...+70 °C
Temperature measuring circuits	
-Type	PTC, acc.to DIN44081/082
-Number of sensors	1...9 serial
-R _{25,total}	< 1.8 kΩ
-Measurement voltage	≤2.5V(acc.to IEC 60034-1)
Time delay	30min±5min
Output relay	Max AC 240V 2.5A C300
AgNi 90/10	Min. AC/DC >24V, >20mA
Mechanical service life	Approx. 1 million switching cycles
Protection class acc. to En 60529	IP00
Connection	6.3mm FASTON connectors
Housing material	PA66
Mounting	Screw mounted
Dimensions in mm	76.5x81.5x34.5
Weight	approx.200g
Voltage	Order No.
-115-230VAC	16G08 SC2 00
-24VAC	16G08 SC2 01