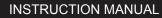
RESISTANCE RELAY PRM-10



Za/el



DESCRIPTION

The PRM-10 device is used to protect electrical devices (e. g. motor) from high temperature increase. The temperature is measured by external PTC sensors that can be connected in series. The increased temperature on the sensors causes the output relay switches on. PTC Sensor is galvanic separated from the power grid by internal transformer. The kit contain PTC sensor which is adjusted for the device and will relase the relay at the temperature 100 °C.

FEATURES

- ی Thermal device protection,
- sensor's galvanic isolation from power supply,
- ی supply voltage control indicator,
- ی power/relay supply indicator,
- ی in series sensor connection,
- $\[mu]{$\mathcal{S}$}$ resistance of PTC sensor loop 1500 Ω (cold state),
- voltage relay output 1 change over contact (NO/NC) contact max 16 A capacity,
- ی doublemodular casing,
- ی TH-35 DIN rail installation.



The device is designed for one-phase installation and must be installed in accordance with standards valid in a particular country. The device should be

connected according to the details included in this operating manual. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions. Disassembling of the device is equal with a loss of guarantee and can cause electric shock. Before installation make sure the connection cables are not under voltage. The cruciform head screwdriver 3,5 mm should be used to instal the device. Improper transport, storage, and use of the device influence its wrong functioning. It is not advisable to instal the device in the following cases: if any device part is missing or the device is damaged or deformed. In case of improper functioning of the device contact the producer.

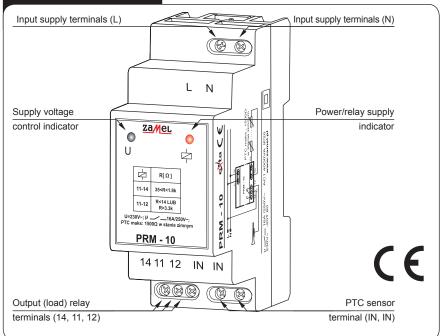
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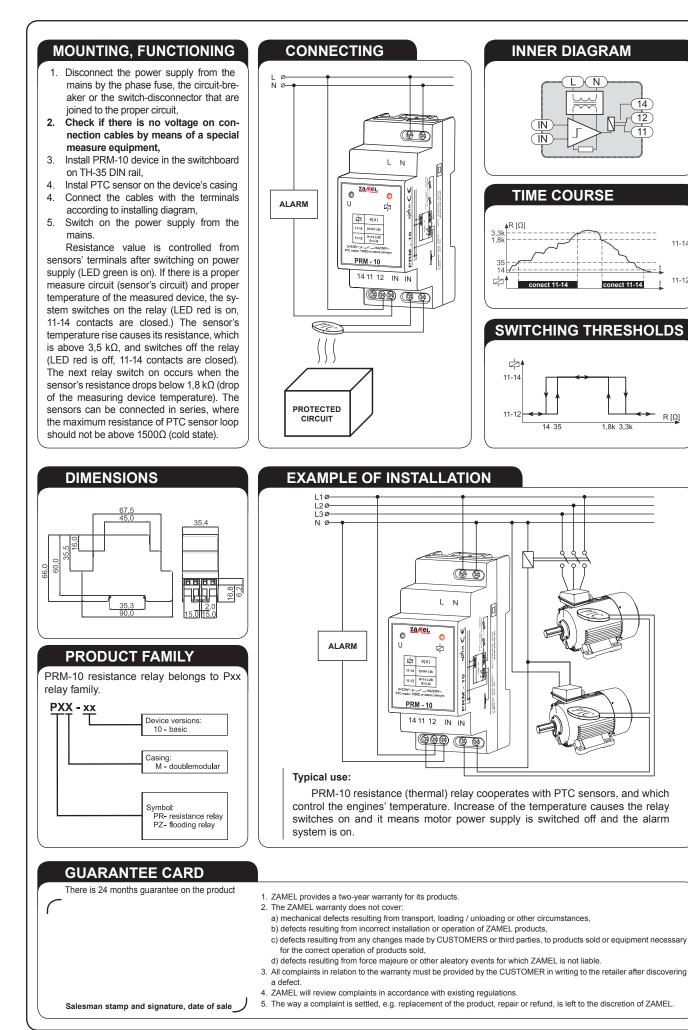
ul. Zielona 27, 43-200 Pszczyna, Poland Tel. +48 (32) 210 46 65, Fax +48 (32) 210 80 04 www.zamel.pl, **e-mail:** marketing@zamel.pl

TECHNICAL PARAMETERS

PRM - 10	
Input (supply) terminals :	L, N
Input rated voltage:	230 V~
Input voltage tolerance:	from -15 to +10 %
Nominal frequency:	50 / 60 Hz
Rated power consumption:	11 mA
Supply voltage control indicator:	LED green
Temperature sensor terminal:	IN, IN
Maximum resistance of PTC sensor loop:	1500 Ω (cold state)
Maximum lenght of PTC cable:	500 m
Power/relay supply indicator:	LED red
Output relay parameters:	1NO/NC-16 A/250 V AC1 4000 VA
Number of terminal clamps:	7
Section of connecting cables:	from 0,2 to 2,50 mm ²
Ambient temperature range:	from -20 to +60 °C
Operating position:	free
Mounting:	TH35 rail (PN-EN 60715)
Protection degree:	IP20 (PN-EN 60529)
Protection class:	II
Overvoltage category:	П
Pollution degree:	2
Rated impulse withstand voltage:	2 kV (PN-EN 61000-4-5)
Dimensions (height / width / depth):	doublemodular (35 mm) 90x35x66 mm
Weight:	198 g
Reference standards:	PN-EN 60730-1 PN-EN 60730-2-9 PN-EN 61000-4-2,3,4,5,6,11







11-14

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