



TRM/20

Electronic Temperature Controllers plug-in system

Version TRN/20	100 °C
Version TRM/20	200 °C
Version TRH/20	250 °C

Special Features

- 10A version with 7-pin coupling socket
- 20A version with 5-pin coupling socket
- Wall mounting housing

Application

The TR... series ready-to-plug-in, on-off electronic temperature controllers are especially suitable for controlling electrically heated sample lines 3/4/5-N/M/H series.

Description

The TR... series on-off electronic temperature controller is mounted in a wall-mounting housing. The heated sample lines multipole plug with mains and PT100 sensor line is easily connected to the multipole socket in the temperature controller's housing.

The temperature controller together with plug-and-socket connection is supplied in two versions. The TR standard controller with relay contact and 7-pin coupling socket can be used up to 10 A and the TR/20 version with contactless solid-state relay and 5-pin coupling socket up to 20 A.

The temperature sensor input is designed for PT-100 sensors and is fitted with a sensor-breakage safety status.

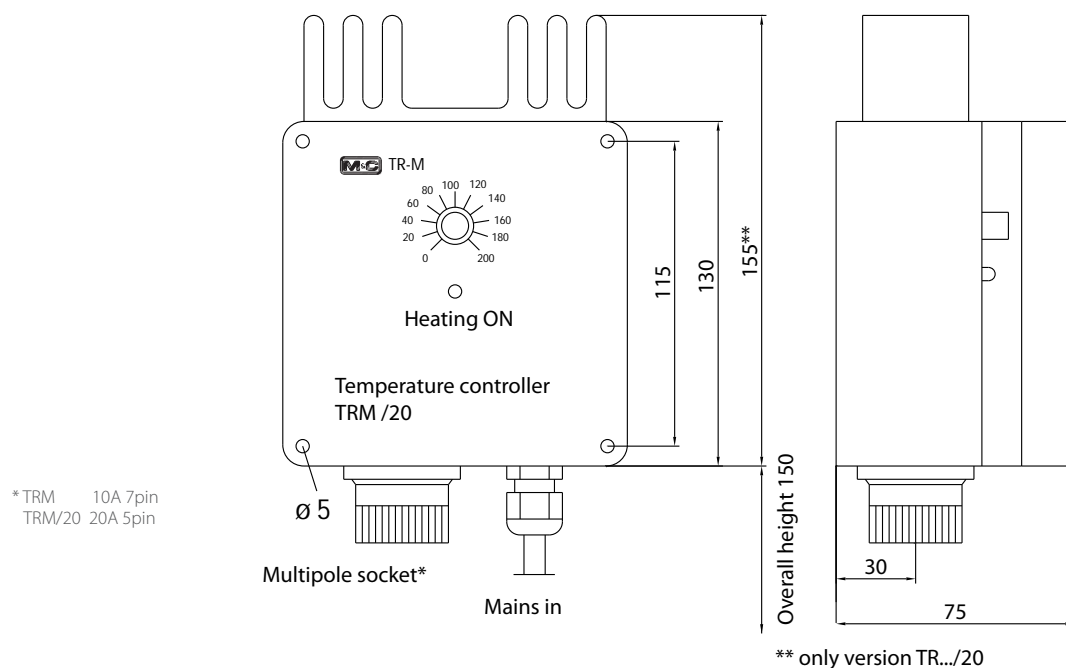
Three temperature control ranges are available:

TRN	=	0-100 °C,
TRM	=	0-200 °C,
TRH	=	0-250 °C.

The desired operating temperature can be set using the control knob with its graduated scale. The control function is displayed by LED. A clear cover shows the set value and the switch function, thus ensuring that the desired value has not been changed unattended.

Dimensions

Temperature Controllers TRM/20



Dimensions in mm

Technical Data

Temperature controller	TRN	TRN/20	TRM	TRM/20	TRH	TRH/20
Part No. of standard version TR.-10A	03B7000		03B7010		03B7020	
Part No. of version TR./20-20A		03B7030		03B7040		03B7050
Temperature control range	0-100 °C		0-200 °C		0-250 °C	
Switching capacity	10 A for TR. standard version with relay contact, 20 A for version TR./20 with solid state relay					
Control mode	on-off controller					
Temperature sensor input	PT100 DIN; 2-conductor with sensor breakage status					
Ambient temperature	-30 °C to +50 °C					
Storage temperature	-30 °C to +80 °C					
Electrical connection for TR. standard version with 10 A relay contact	2,5 m connecting cable 1,5 mm ² with mains plug and 7-pin coupling socket for connection of the heated line: controlled mains voltage ON/OFF and PT100 sensor					
Electrical connection for TR./20 version with solid state relay 20A	2,5 m connecting cable 2,5 mm ² for mains power and 5-pin coupling socket for connection of the heated line: controlled mains voltage ON/OFF and PT100 sensor					
Power supply	230V +/-10%, 50/60Hz					
Housing version / international protection type	Wall-mounting housing IP 66 EN60529					
Housing material	polycarbonate					
Dimensions in mm	see diagram					
Weight	1,2 kg					