

# 1-POLE TEMPERATURE LIMITER



These devices automatically switch off the current in the controlled circuit as the temperature is reached, and switch it on again as the temperature falls below the set threshold value. The temperature of the controlled medium is thus maintained within a narrow zone.

Working temperature range: 0 – 355 °C

Areas of application:

- water heaters
- washing machines
- electric cooking hearths and domestic baking ovens

Trouble-free operation is conditioned by proper heat transfer between the controller's sensor and the controlled medium.

## TECHNICAL DATA

Lifetime:	1000 switching cycles	Working range:	0-150 °C / 50-355 °C
Switching power:	20(4)A-4(1)A/250 V~ 16(4)A-4(1)A/400 ~V	Sensor:	Tubular: Cu: Ø 5; Ø 6; Ø 8 INOX: Ø 3; Ø 4; Ø 6
Way of operation:	2BG	Capillary tube:	Ø 1,4 (Cu) / Ø 1 (INOX)
Max.temp. for the main unit:	85 °C / 150 °C	Capillary tube length:	250-2400
Protection class:	Class I. / IP 00	Max. sensor temperature:	Upper switching value +15%
Operation environment:	Normal	Surface protection:	Galvanized
Heat and fire resistance:	D	Electrical connections:	Blades, A 6,3x0,8
Leakage current resistance:	≥175		

## TYPE-EXAMPLES

Type Code	Type mark	Switch-off temp. °C	Sensor ØD x L1/mm/ Material	Capillary tube Ød x L2 /mm/	Protection tube L3 ± 20 /mm/	Wiring diagram M / A
5279-0-003-2	TC-1B11KM	220 0 +/-6	4 x 168 Inox	1 x 580	460	M
5279-0-003-3	TC-1B11KM	246 0 -15	4 x 100 Inox	1 x 420	20	M
5279-0-003-6	TC-1B11KM	350 0 -15	4 x 91 Inox	1 x 1600	1260	M
5279-0-004-8	TC-1B11KM	320 0 +/-9	6 x 98 Inox	1 x 920	50	M
5279-0-004-9	TC-1B11KM	220 0 +/-6	4 x 168 Inox	1 x 1920	1760	M
5279-0-005-1	TC-1B11KM	150 0 +/-8	3 x 215 Inox	1 x 920	860	M