



Electronic temperature controller ETC 480 for DIN-rail TS35 and **ETC 280** for wall-mounting with external temperature sensor for ambient temperature. Separately available: Temperature sensor for industry application, Moisture sensor for gutters de-icing.

Technical data

Temperature range	Heating	- 5 °C to +45 °C
	Industry	-15 °C to +75 °C; - 0 °C to +170 °C; -10 °C to +15 °C
Ambient temperature range		- 20 °C to +45 °C
Hysteresis		adjustable
Switching accuracy		± 0.3 K to 10.3 K
Max. permissible switching current		AC 12: 16 A, 230 V
Dimensions (W x H x D)		ETC 480: 35 x 90 x 70 mm ETC 280: 84 x 174 x 111 mm
Wall mounting		
Protection class		ETC 480: IP 20, Protection class II ETC 280: IP 55, Protection class II

Order information

Version	Order no.
ETC 480	10140020
ETC 280	10111020
Sensor 0 °C to +170 °C	61100021
Gutter sensor	61140020



Frost protection monitor ETC 500 with external temperature sensor for ambient temperature. Housing is resistant against ammonia smoke.

Technical data

Temperature range	0 °C to +40 °C
Ambient temperature range	- 20 °C to +50 °C
Hysteresis	approx. 1.5 K
Switching accuracy	± 2 K at +40 °C; ± 4 K at 0 °C
Max. permissible switching current	16 A
Dimensions (W x H x D)	112 x 145 x 68 mm
Wall mounting	
Protection class	IP 54

Order information

Version	Order no.
ETC 500	10140011



Electronic temperature controller ETC 220 with remote sensor, for small application.

Technical data

Temperature range	0 °C to +60 °C
Ambient temperature range	-40 °C to +70 °C
Hysteresis	0,5 K to 5 K
Max. permissible switching current	16 A
Dimensions (W x H x D)	120 x 120 x 56 mm
Protection class	IP 65

Order information

Version	Order no.
ETC 220	10111002



ETC 520 frost protection for gutters for small and medium-sized systems with an overall length of up to approx. 40 m. This two-position controller only switches the trace heating on if the ambient temperature is within a set range in which ice and snow can form.

Example: switching on +5 °C switching out -5 °C

Technical data

Temperature range	-15 °C to +15 °C
Hysteresis	approx. 1 K to 3 K
Max. permissible switching current	16 A
Switching capacity	3 kW
Protection class	IP 65
Temperature adjustment	under the housing cover
Dimensions (W x H x D)	120 x 122 x 55 mm

Order information

Version	Order no.
ETC 520	10140012