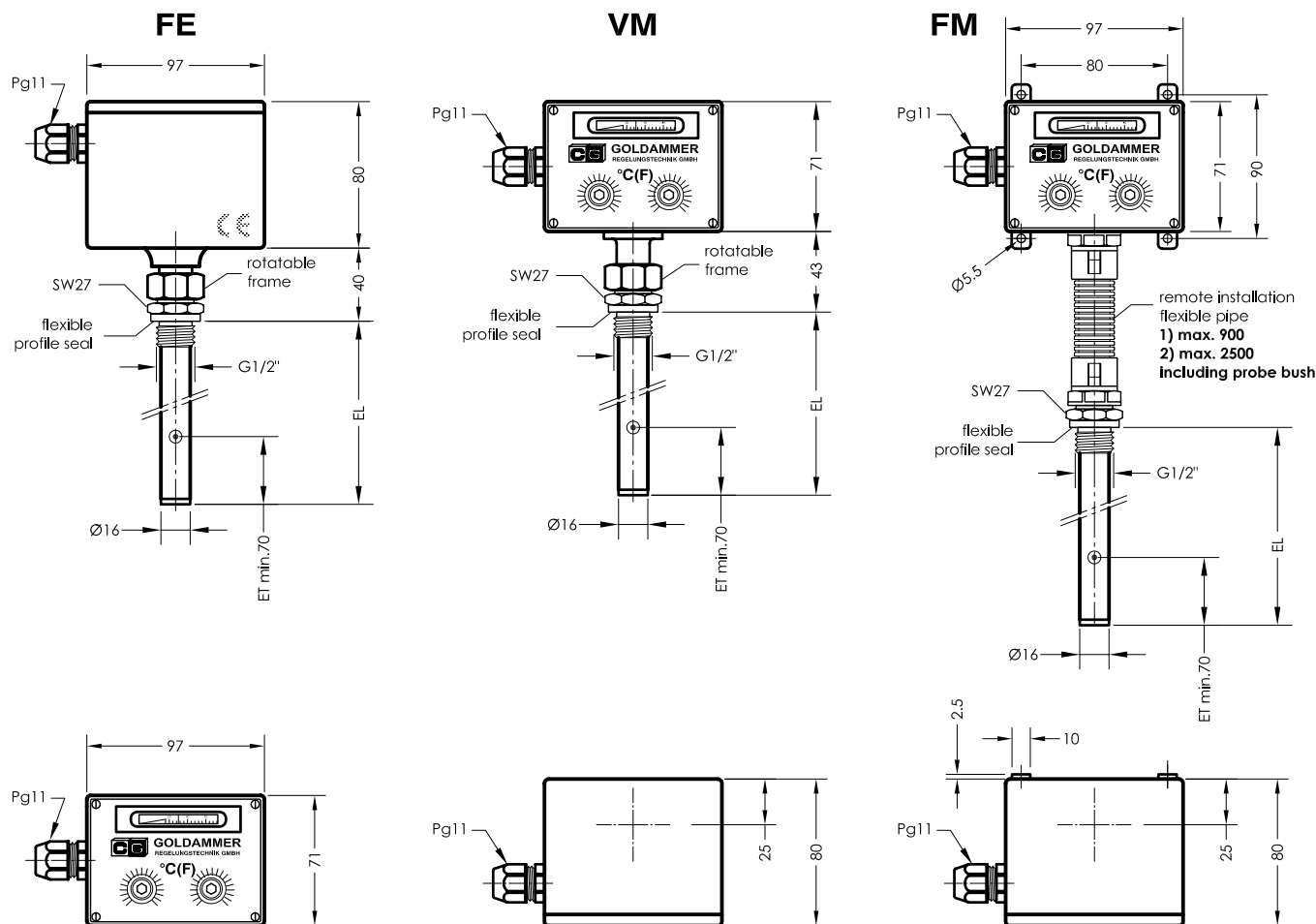


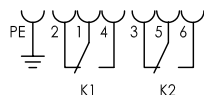
TR 12 - K

Temperature - Capillary tube - Regulator

serial No. Date
TR-GB- 500b 12/02



Terminal diagram



ET= minimum immersion depth in the medium for the probe to archive an exact measurement.

Specimen order

TR 12 - K1 - A - FM - 300 - 1 - II

Temperature
K1= 1 contact
K2= 2 contacts

A= indication of actual temperature
O= without display

FE= permanent Installation
VM= vertical installation
FM= remote installation

I = 0 to 120°C
II = 32 to 248°F
III = 0 to 80°C
1= flexible pipe 900
2= flexible pipe 2500

EL= length of immersion tube (mm)
100
200
300
400
500
800
900

Description

The TR 12 temperature capillary tube regulator works on the principle of liquid extension

A change of temperature in the probe causes a change in volume. This force operates a potential free changeover contact through a membrane. The desired switching temperatures can be set separate. The range lies between 0 and 120 °C (32 to 248°F), (0 to 80°C). On request the devices will be supplied with a display of actual temperature. The probes are located in an immersion tube. The cable connections are made with connection terminal strips of 1,5 mm². The device is also available with gold contacts on request.

With optional plug socket connector DIN 43650, DIN 43651 IP65 and serie M12/SW23 IP68.

Technical data

Switch cabinet	ABS with transparent cover
Protection class	IP 65
electric. connection	Cable thread Pg.11
Probe bush	Connection terminal strip 1,5 mm ² Brass
Operating pressure	16 bar max.
Ambient temperature	-40 to +80°C
Temperature display	0 to 120°C ±2%
Temperature relay	Changeover cont. max 250V~, 10A min. 5 mA
Temperature range	0 to 120°C, (32 to 248°F), (0 to 80°C)
Switching accuracy	3k
Switching difference	~ 5k



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