

TR 12 - K - DIN43651

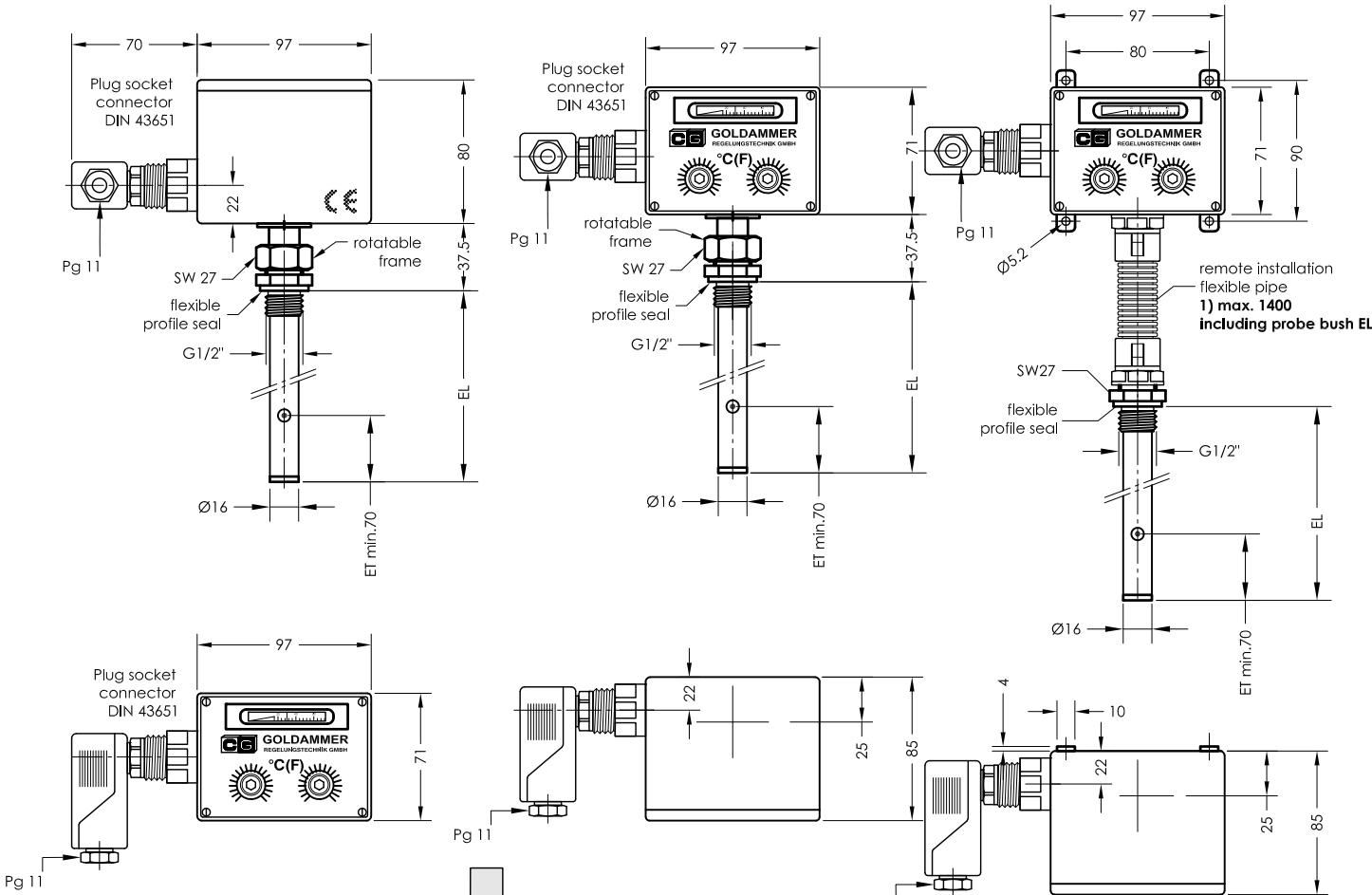
Temperature - Capillary tube - Regulator

serial No. Date
TR-GB- 500b/2 04/18

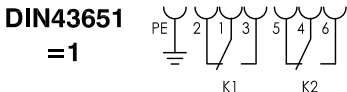
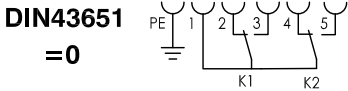
FE

VM

FM



Terminal diagram



Function under switching temperature

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

Specimen order

TR 12 - K2 - A - FM - 300 - MS - I - DIN43651 - 0

Temperature
K1= 1 contact
K2= 2 contacts

A= indication of actual temperature
O= without display

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

0= combined
1= separate
I = 0 to 120°C
II = 32 to 248°F

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

Pin assignment

Order code

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). On request the devices will be supplied with a display of actual temperature. The probes are located in an immersion tube.

The device must only be installed by specialists.

Technical data

Switch cabinet	ABS with transparent cover
Protection class	IP 65
electric. connection	DIN 43651
Probe bush	Brass (MS) , Stainless steel (VA)
Operating pressure	16 bar max.
Ambient temperature	-40 to +80°C
Temperature display	0 to 120°C ±3°C
Temperature relay	Changeover cont. max 250V~, 10A mln. 5 mA
Temperature range	0 to 120°C, (32 to 248°F)
Switching accuracy	±5k
Switching difference	5k±1k

Technical data



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