

TR 12 - T

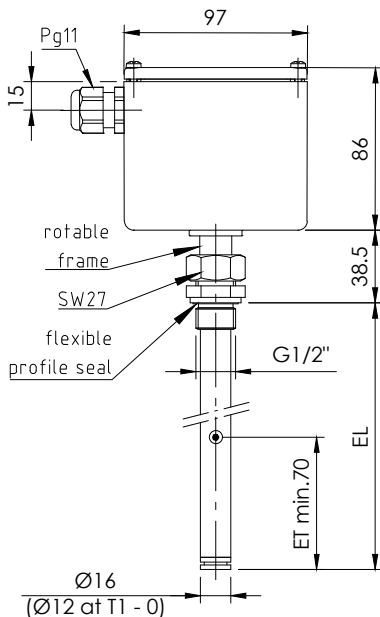
Temperature - Capillary tube - Regulator

0°C - 80°C

0°C - 120°C

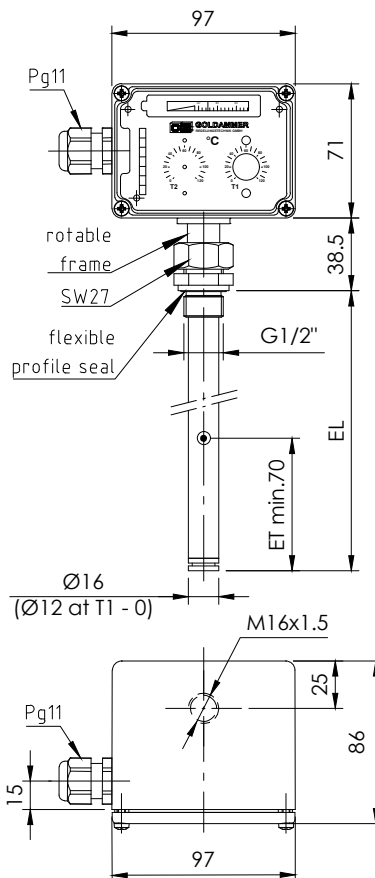
serial No. Date
TR-GB- 500B 08/26

FE - Fixed rod mounting



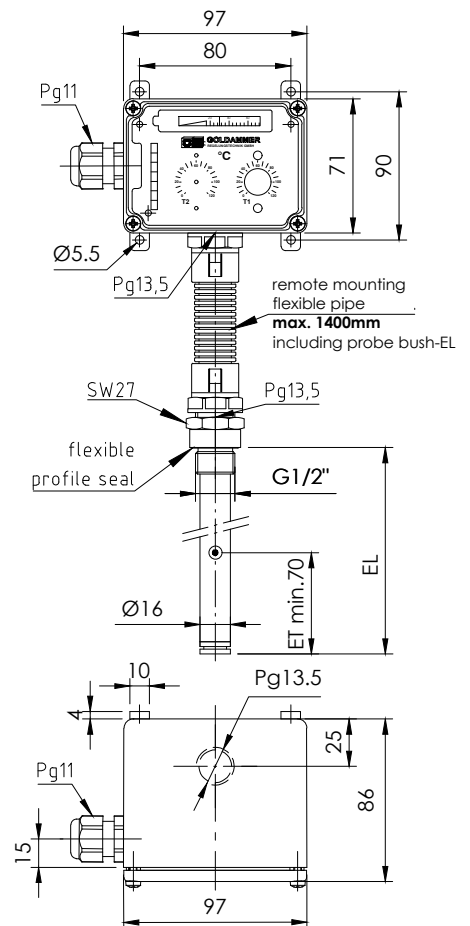
VM - Vertical mounting

view without top cover



FM - Remote mounting

view without top cover



ET = Minimum immersion depth for the sensor in the medium to achieve accurate scanning.

Specimen order

TR 12 - T1 - A - FM - 300 - MS - I - 24V

Temperature
T1 = 1 contact
T2 = 2 contacts

A = actual temperature display
O = without actual temperature display

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

MS - Brass
VA - Stainless steel

I = 0°C to 120°C
III = 0°C to 80°C

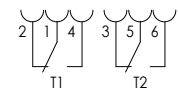
EL = length of immersion tube (mm)
100 (EL100 = max. 3 functions)
200 500
300 800
400 900

Operating voltage
VDC 10-36 = 24V
VAC 10-230 = 230V

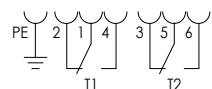
Terminal diagram

Terminal diagram

24V



230V



Function under switching temperature

Description

The TR 12 - T 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 separately. The range is between 0°C and 120 °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 must only be installed by specialists.

Fixed contact as safety switching point

Technical data

Switch housing
Protection class
electric. connection

Probe bush
Operating pressure
Ambient temperature
Temperature display
Temperature relay
Temperature range
Switching accuracy
Switching difference
Thermal elements

ABS with transparent cover
IP 65
connection Pg11 /
+ series terminals 1,5mm²,
tightening torque SEV 0,5Nm max.
Brass (MS), Stainless steel (VA)
16 bar max.
-40°C to +80°C
0°C to 80°C ±3%, 0°C to 120°C ±3%
changeover cont. max 250V~, 10A, min. 5 mA
0°C to 120°C
±5K
5K±1K
Datasheet: IN - 006

Housing covers with safety screws are available upon request.



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