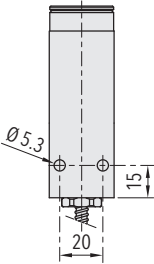
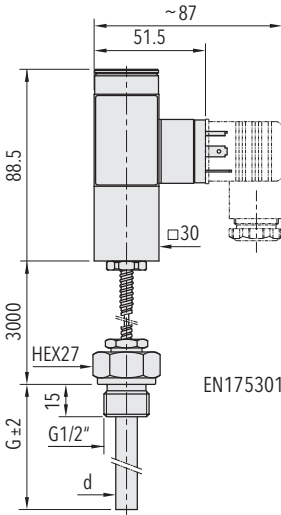
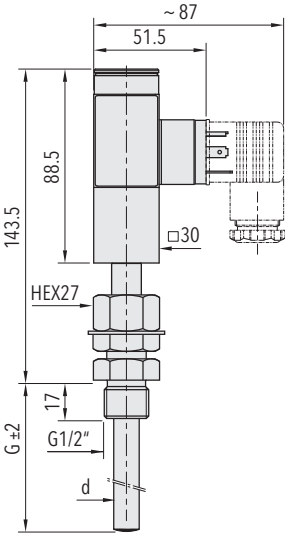


Datasheet

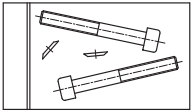
474



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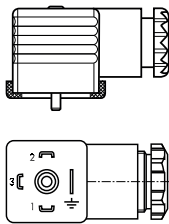
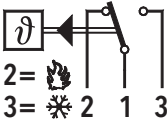


Plug
EN175301-803-A (DIN 43650-A)



M5x40 ISO4762

Electrical connections



Electrical data switch

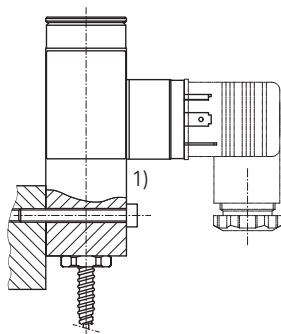
Type	Rating	
	AC	DC
03	250 V, 3 (1) A	250 V, 0.1 (0.05) A 220 V, 0.25 (0.2) A 110V, 0.5 (0.3) A 24 V, 2 (1) A

Switchpoint ranges

Code	Range [°C]	Sensor temperature max. [°C]	Storage temperature [°C]	Ambient temperature [°C]
20	+05 ... +95	100	-20 ... +40	-30 ... +70
23	+20 ... +110	115		-30 ... +70
31	+20 ... +150	165		-30 ... +70

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Mounting

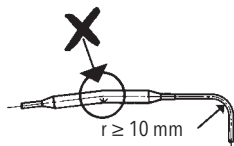
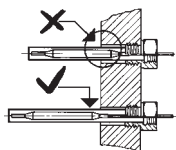


- 1) Fastening screw: M5
Property class: 8.8
Mounting torque: 4.5 ... 6Nm

Protection

IP65 provided female connector is mounted according to instructions

Mounting of sensor and protection tube

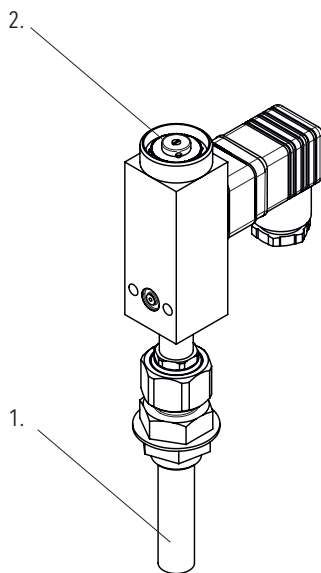


When the protection tube is filled with silicone-oil for improving the heat transfer, pay attention to the dilatation of oil!

Setting the switchpoint

1. Immerse sensor in calibrated bath or dry block.
Set environmental conditions for capillary tube similar to target application.
Wait approx. 1 hour to ensure constant condition of sensor, capillary tube and housing.
2. Adjust switchpoint (3). Increasing switchpoint: slowly turn set point screw clockwise from lower to higher temperatures until the microswitch clicks.
Decreasing switchpoint: slowly turn set point screw counter-clockwise from higher to lower temperatures until the microswitch clicks.

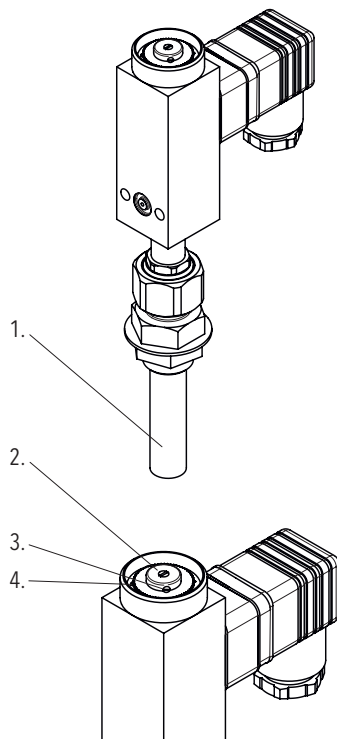
In case the indicated temperature on the dial differs too much from the set temperature, the dial can be adjusted according page 3 of this instruction.
(online version only, www.trafag.com/H73113)



Adjustment of switchpoint indicator scale

An adjustment of the indicator scale is normally not necessary as the Trafag thermostats have factory calibrated indicator scales. An adjustment may help to adapt the scale to specific application conditions.

1. Immerse sensor bulb with protection tube (1) into calibration bath with liquid at defined temperature.
2. Release the setpoint knob (2) with the grub screw (3).
3. Adjust the mark on the setpoint knob to the scale.
4. Fix the setpoint knob with the grub screw again.



Fixing of viewing window

1. After fixing of the set point, the viewing window has to be placed back on the top.
2. Use a 1.5 mm Allen key to unscrew the grub screw indicated in the sketch by 3/4 turn.
3. Gently fix the viewing window with the O-ring on the top.
4. Screw the grub screw back to its original position.

