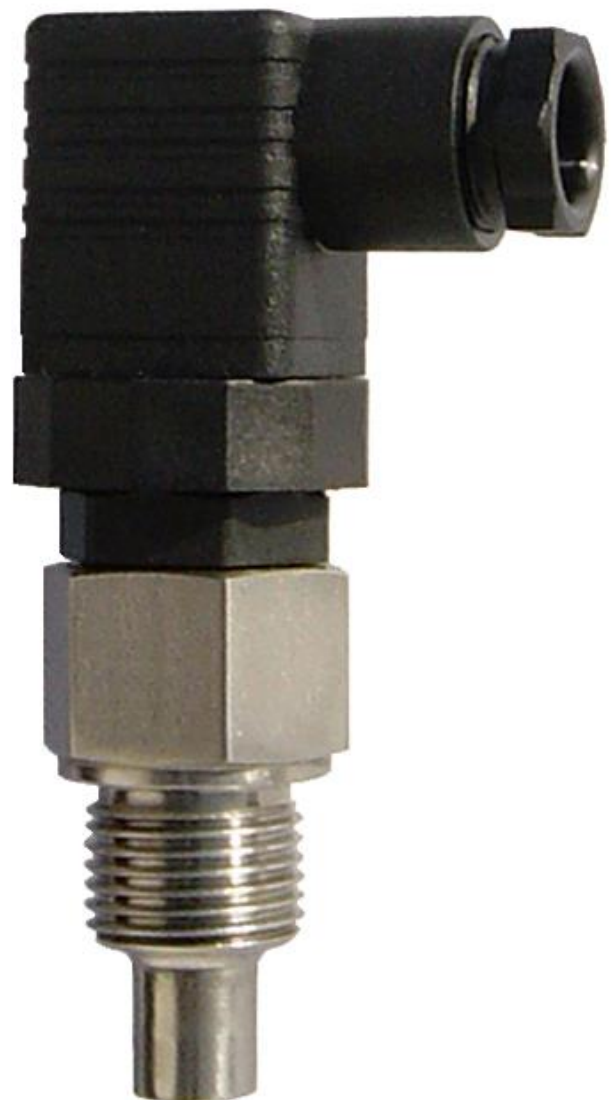




## Operation Manual

### Temperature Switches TSP 03

made from stainless steel 1.4571, for liquids,  
with one switching point and fixed pipe length



- Temperature switch made from stainless steel
- Fixed pipe length 22 mm
- Process connection G $\frac{3}{4}$ "



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### Functional description

The TSP 03 temperature switches operate by means of a thermally sensitive bimetal snap-element which switches a double electrical contact when reaching a pre-set response temperature. They can be normally open or normally closed.

### Assembly

Use a suitable sealing to seal the process connection.

### Electrical connection

**Note!** The electrical connections must be carried out in accordance with the regulations applicable in the country where the equipment is installed and by personnel qualified to do. The electrical connection must be carried out according to the wiring diagram printed on the switch.

### Maintenance

The temperature switches operate free of maintenance and wear when used properly.

### Application area

Mainly used for temperature controlling and monitoring of liquid media.

| Technical Data        |   |
|-----------------------|---|
| Switching capacity    | 250V AC 2,5A;<br>60V DC 1A; (min. 50 mA)                            |
| Switch function       | Opener or closer  |
| Temperature sensor    | Thermocouple  |
| Temperature range     | +50°C to +150°C<br>selectable in 5°C-steps                          |
| Protection            | IP65  |
| Electrical connection | Coupler plug<br>DIN 43650   |
| Measuring accuracy    | ±5°C  |
| Hysteresis            | ±20°C   |
| Process connection    | G <sup>3</sup> / <sub>4</sub> " in stainless steel<br>1.4571/1.4404 |
| Tube                  | Ø 18 mm in stainless<br>steel 1.4571/1.4404                         |
| Tube length L         | 22 mm   |