Expansion thermometer
Exhaust gas temperature controller
Model STW15

Applications

- Temperature monitoring device for heat generation plants
- For heat generators with 2 fuels

Special features

- High switching reliability
- Temperature indicator and safety temperature monitor in a single instrument
- Version per DIN EN 14597
- Overtemperature safe up to 600 °C

Description

The safety temperature controller model STW15 has been designed for the operating medium of air (flue gas). It will open a control circuit when the temperature on the temperature sensor exceeds the non-adjustable set point.

Damage to the measuring system also leads to an interruption of the circuit, as required by the enhanced safety. The measuring system is coupled with a pointer which displays the respective temperature status on a scale.
Standard version

Nominal size in mm
72 x 72

Temperature range
Overtemperature safe up to +600 °C

Switch point
fixed between 50 ... 300 °C

Switch point accuracy
±6 K

Switching differential
12 K

Dial
Aluminium, white, black lettering

Measuring principle
Bourdon tube system

Contact
Micro switch

Contact version
1 fixed change-over contact
2 fixed change-over contacts (same switch point)

Switch rating
max. 5 A, AC 250 V non-inductive

Connection, electrical
0.8 x 6.3 mm blade terminal or terminal connection

Case
Plastic, black

Mounting option
with mounting bracket

Ingress protection
IP53 case in accordance with EN/IEC 60529

Temperature sensor
Stainless steel

Threaded connection
Steel, galvanised

Measuring line
1.4571 stainless steel, Ø 2 mm

Length of the measuring line
Standard 1.5 m, max. 5 m

Measuring line outlet
Eccentric back mount

Version
tested in accordance with DIN EN 14597 and pressure equipment directive

Dimensions in mm
### Approvals

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### Certificates (option)

2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)

Approvals and certificates, see website

### Ordering information

Model / Contact version / Switch points / Length of the measuring line / Connection design

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