

**Duct frost protection thermostat,
incl. mounting flange, mechanical, one-step,
with switching output**

Mechanical frost protection thermostat / frost monitor **THERMASREG® FST-K** with switching output, duct tube monitored across the entire length, with automatic reset or with mechanical locking, with/without optional manual reset.

The frost protector is suitable for air or water-side temperature monitoring at heat exchangers, water circulation systems and heating registers to prevent freezing up and to avoid frost damage, e.g. in ventilation and air conditioning ducts.

The FST-K is intrinsically safe and is equipped with sensor breakage detection. In the event of damage to the capillary membrane system, the frost sensor automatically switches to the heating function. The scope of delivery includes the mounting flange **MF-14-K**.

TECHNICAL DATA

| | |
|--|---|
| Switching capacity: | 10 (2) A, AC 250 V; because of gold-plated switching contacts also switching of signal voltages < 24 V |
| Setting range: | -10...+15 °C / +14 °F...+59 °F, factory setting to w = +5 °C (+41 °F) |
| Operating difference: | 2 ± 1 K (3.6 ± 1.8 °F) |
| Reproducibility: | ± 0.5 K (± 0.9 °F) |
| Contact: | dust-proof micro switch as single-pole potential-free changeover contact |
| Resetting: | FST-K automatic FST-K-HR manual (by hand) |
| Permissible medium: | Air |
| Ambient temperatures: | maximum operating temperature: +70 °C (+158 °F) minimum operating temperature: w + min. +2 °C (min. +3.6 °F) storage / transport: -30...+70 °C (-22...+158 °F) |
| Enclosure: | plastic, material polyamide, 30% glass-globe reinforced, colour traffic white (similar to RAL 9016) |
| Enclosure dimensions: | 108 x 70 x 73.5 mm (Thor 2) |
| Cable gland: | M 20 x 1.5; with strain relief |
| Process connection: | by mounting flange, plastic (included in the scope of delivery) |
| Electrical connection: | 0.14 - 2.5 mm ² , via screw terminals |
| Protective tube: | metal , material CuZn37 (2.0321), Ø 14 mm, NL = 205 mm |
| Other materials: | mechanical sheet metal parts: galvanised steel capillary tube: copper capillary tube filling: R 507 switching contacts: Ag / Ni (90% / 10%) gold-plated (3 µm) |
| Protection class: | I (according to EN 60 730-1) |
| Protection type: | IP 65 (according to EN 60 529) |
| Standards: | CE conformity, EMC Directive 2014 / 30 / EU, Low Voltage Directive 2014 / 35 / EU |
| FUNCTION | Contact C-2: danger of frost / sensor breakage Contact C-3: normal operation |
| For further information and accessories see next page... | |

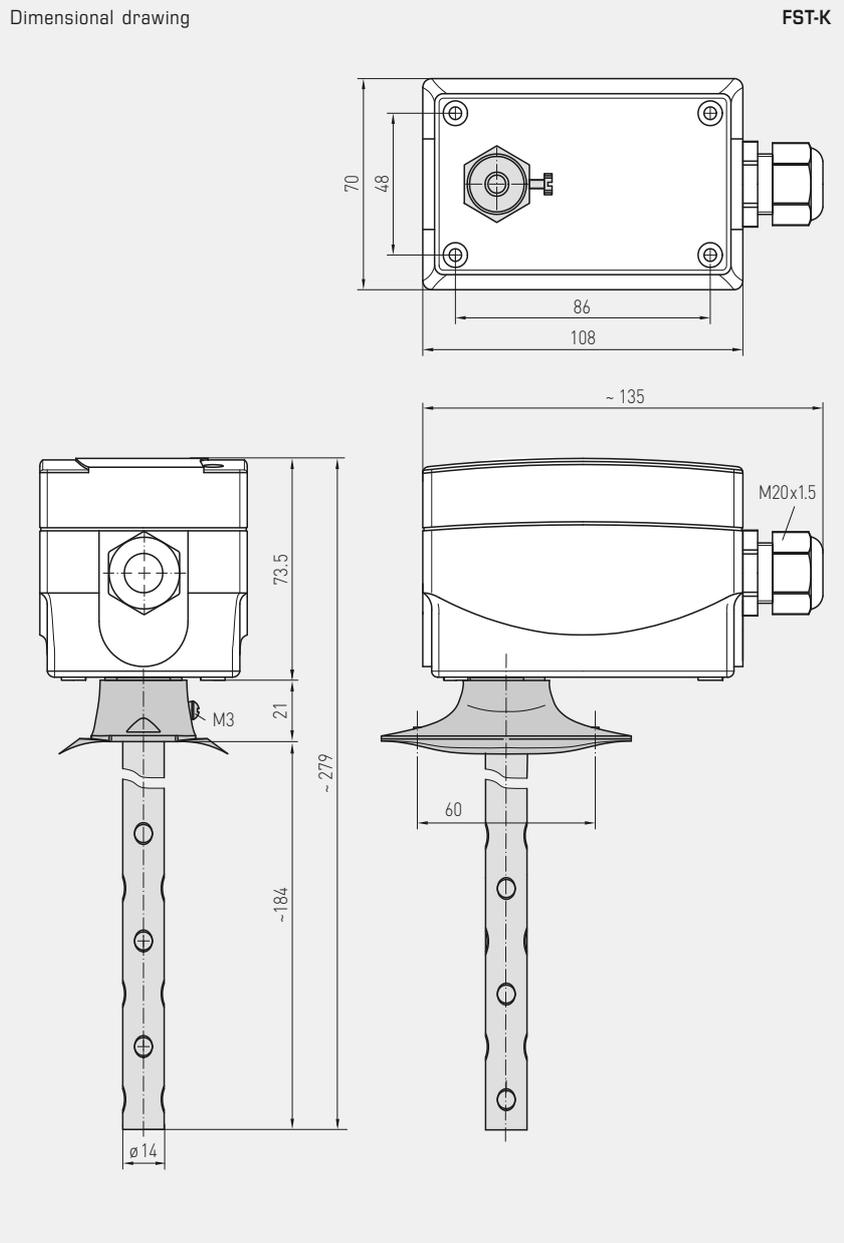


NEW

S+S REGELTECHNIK

THERMASREG® FST-K

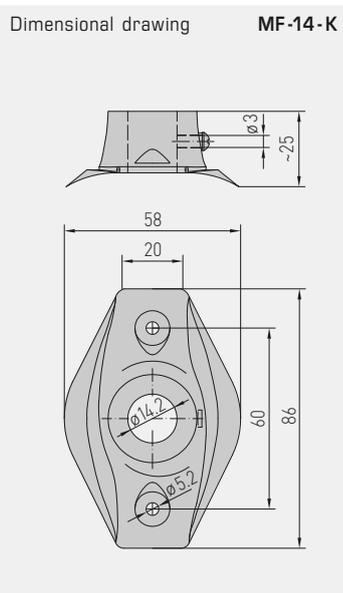
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with switching output



FST-K



FST-K-HR
with manual reset



MF-14-K
Mounting flange,
plastic





S+S REGELTECHNIK

NEW

THERMASREG® FST-K

Duct frost protection thermostat,
incl. mounting flange, mechanical, one-step,
with switching output

FST-K

TW = temperature monitor
(automatically switching)



FST-K-HR

TB = temperature limiter
(manual reset)



THERMASREG® FST-K – Duct frost protection thermostat, mechanical

| Type / WG02 | Temperature Range | Thermal Operating Difference (fixed) approx. | Function | Permissible Medium | Item No. | Price |
|---|---------------------------------|---|----------|--------------------|--------------------|-----------------|
| FST-K | | | | | TW | |
| FST-K | -10...+15 °C | 2K (± 1K) | TW | air | 1102-1064-0100-001 | 101,31 € |
| FST-K-HR | | | | | TB | |
| FST-K HR | -10...+15 °C | 2K (± 1K) | TB | air | 1102-1064-1100-000 | 114,20 € |
| Equipment: | FST-K FST-K-HR | TW = temperature monitor (automatically switching) TB = temperature limiter (manual reset) | | | | |
| Accessories | | | | | | |
| MF-14-K | Mounting flange, plastic | | | | 7100-0030-2000-000 | 8,06 € |
| For further information see last chapter! | | | | | | |