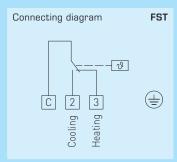
Frost protection thermostats, mechanical, one-step, with switching output

S+S REGELTECHNIK

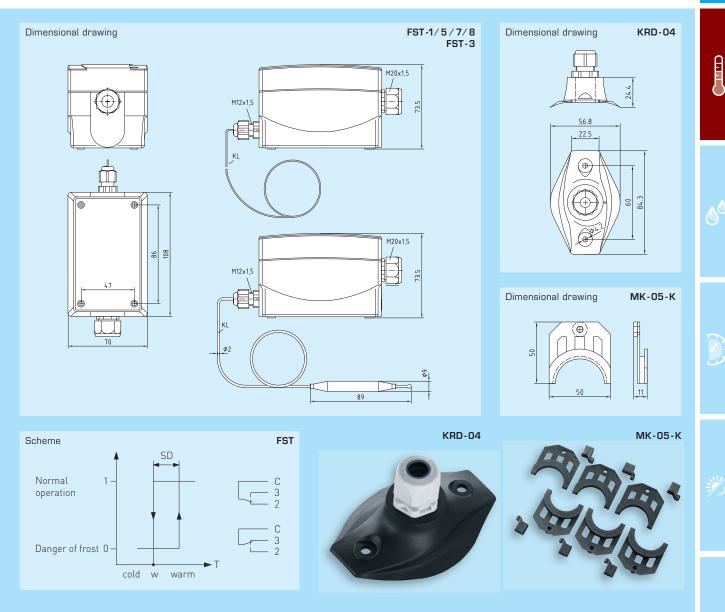


below the preset temperature setpoint over a capillary tube length of at least 40 cm. Simultaneously contact C-2 breaks and can be used as a signal contact. Resetting (closing contact C-2) happens automatically when temperature rises above the preset setpoint value again (on type FST-xR resetting must be done manually by pressing the reset button).

FST is "intrinsically safe", i.e. in case of damaging the capillary tube-membrane system, it switches automatically to heating function. Contact C - 3 closes and therefore can be used as operating contact. The air temperature is detected over the entire sensor length (capillary tube). The gas-filled (R 507) membrane system and the capillary tube constitute one measuring unit, which is mechanically coupled to the microswitch. Capillary tube: The capillary tube is laid uniformly at the hot side of the air heater to be protected (in case of air coolers in front of the air cooler) at a distance of ca. 5 cm crosswise to the heat exchanger tubes over the entire area. For test purposes it is recommended to make a loop of ca. 20cm directly underneath the enclosure and before entering the air duct. To avoid damaging the capillary tube, a minimum bending radius of 20mm must be observed. Installation is facilitated by using the mounting clamps available under accessories. Frost simulation: The frost situation can be simulated and functioning of the device can be tested by dipping the capillary tube testing loop into a pot filled with ice water.







THERMASREG® FST, one-step, including mounting clamps

Type/WG2	Temperature Range	Steps	Features Control Mode	Length of Capillary	Permissible Medium
FST-1D	-10°C+15°C	one-step	TW, automatic	6.0 m	air
FST-3D	-10°C+15°C	one-step	TW, automatic	1.8 m	air/water
FST-5D	-10°C+15°C	one-step	TW, automatic	3.0 m	air
FST-7D	-10°C+15°C	one-step	TW, automatic	12.0 m	air
FST-8D	-10°C+15°C	one-step	TW, automatic	0.6 m	air
FST-1D-HR	-10°C+15°C	one-step	TB, manual rest	6.0 m	air
FST-3D-HR	-10°C+15°C	one-step	TB, manual rest	1.8 m	air/water
FST-5D-HR	-10°C+15°C	one-step	TB, manual rest	3.0 m	air
FST-7D-HR	-10°C+15°C	one-step	TB, manual rest	12.0 m	air
FST-8D-HR	-10°C+15°C	one-step	TB, manual rest	0.6 m	air
Accessories:	KRD-04 MK-05-K TH-ms-01 TH-VA-02 Immersion sleeves	Capillary tube gland bracket Mounting clamps (6 pieces) plastic (included in the scope of delivery) Immersion sleeves, brass, for FST-3 Immersion sleeves, stainless steel, for FST-3 see last chapter			
Note:	FST-x D FST-x D-HR	TW = temperature monitor (i.e.: automatically switching) TB = temperature limiter (manual rest)			

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