



SSFM-100-TPD OUTDOOR TEMPERATURE TRANSMITTER

- 8 Measuring Ranges
- Internal or External Sensor
- Shock Resistant and Fast Closing Screws
- Continuous Output

FEATURES

SSFM-100-TPD transmits a calibrated external temperature with eight adjustable measuring ranges, an internal or external sensor, continuous output with shock resistant and fast closing screws, plastic wrap and optionally with/without display. It detects the external temperature or the temperature in humid environments. For example, mounting on external walls, refrigerated warehouses and greenhouses, in the industrial and agricultural fields. The outside temperature transmitter is preferably installed on the north side, or in a sheltered position. In case of direct exposure to sunlight, you should use the solar radiation protection WS01 (accessory), or the variant of the device with radiation protection. Adjustment of precision protection can still be performed by the user (with the offset zero point adjustable).

MECHANICAL DATA

Enclosure Size	72 x 64 x 37.8mm without display 72 x 64 x 43.3mm with display
Material	Plastic, material polyamide, reinforced with 30% glass spheres, with quick closing screws (combination slotted/cross-slotted) traffic white (similar to RAL 9016), the cover for the display is transparent
Options	Illuminated display, two-line, 36x15mm (W x H) size for displaying ACTUAL temperature and diagnostics.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Voltage Supply	24V AC/DC $\pm 10\%$ with output 0-10V 15-36V DC with output 4...20mA (depending on the load)
Power Consumption	<1.0VA / 24V DC <2.2VA / 24V AC
Sensor	Pt1000, DIN EN 60751, class B, sensor in the outer tube of stainless steel probe, 1.4571, V4A
Measuring Range	Various configuration options with 8 adjustable measuring ranges. Operating range from -30 - + 70 ° C with zero manual correction ($\pm 10K$)
Output	0-10V or 4...20mA
Operation Temperature	Measuring Transmitter -30 - +70 °C
Control Type	2 and 3 Contacts
Process Connection	Screws
Cable Gland	M 16x1.5 with strain relief. Max internal diameter 10.4mm
Electrical Connection	.14-1.5mm ² with screw terminals
Humidity	<95% air condensing
Safety Class	III (second EN 607730)
Degree of Protection	IP 65 (second EN 60529)
Standards	CE conformity, electromagnetic compatibility according to EN 61326 and to EMC Directive 2004/108/EC

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

Rev. D