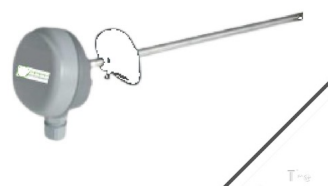


TOM GG

Duct Temperature Sensor

Réf. TOM GG

The TOM GG 2-wire temperature transmitter is intended for automated HVAC systems to monitor duct temperatures. The data from the transmitter can be utilized to regulate other devices in the HVAC system. A Pt1000 probe detects the temperature. The resistance data from the probe is transformed into a 4 to 20 mA signal. You can choose the appropriate measuring range for setup. The TOM GG parameters are adjustable using the MG-SOD tool. Calibration of the transmitter can be conducted at a single location on-site, and the temperature output can be modified based on the controller's operation. The optional 3.5-digit TO-N V2 LCD display can be added to the TOM GG transmitter; it has a display resolution of 0.1 °C. The housing consists of heat-resistant plastic. The bayonet cover and the 45° inclined terminal block make installation easier. The transmitter is installed on the duct using an adjustable connection flange for precise temperature detection. The installation depth can be modified between 100 and roughly 220 millimeters.



RANGE CHOICES

RANGE	DIP SWITCH SETTING
0 to +50 °C	S1 S2 (factory setting)
0 to +100 °C	S1 S2
-50 to +50 °C	S1 S2
-50 to +150 °C	S1 S2

SIGNAL OUTPUT

RANGE	SIGNAL
0 to +50 °C	0 °C = 4 mA / 25 °C = 12 mA / 50 °C = 20 mA
0 to +100 °C	0 °C = 4 mA / 50 °C = 12 mA / 100 °C = 20 mA
-50 to +50 °C	-50 °C = 4 mA / 0 °C = 12 mA / 50 °C = 20 mA
-50 to +150 °C	-50 °C = 4 mA / 50 °C = 12 mA / 150 °C = 20 mA

TECHNICAL SPECIFICATIONS

- Supply voltage: 15 to 35 V DC
- Sensor: Pt1000 EN 60751/B
- Output: 4 to 20 mA (temperature/controller)
- Measurement range: selectable
- Duct mounting: bracket
- Probe: Ø 8 mm x 200 mm, AISI316 material
- Housing: plastic (< 120 °C)
- Protection class: IP54, cable entry or downward probe
- Cable entry: M16
- Accuracy: ± 0.5 °C (at 50 °C)
- Ambient temperature: 0 to +60 °C
- Transmitter type: 2-wire

WIRING

- Terminal 1: temperature signal or controller +(-) 4 to 20 mA
- Terminal 2: temperature signal or controller -(+) 4 to 20 mA
- Electrical wiring lacks polarization

ORDERING GUIDE

MODEL	REFERENCE	DESCRIPTION
TOM GG	AA77040	TOM GG duct temperature probe
TO-N VS	AA70250	Display for circular case probe
MG-SOD	AAC90A0	Analog and Modbus sensor configuration tool