FuehlerSysteme eNET International
Die Marke für Sensorik

FS3190

Flush-mounted humidity and temperature transducer

Measuring size: temperature, rel. humidity

Output: 0-10 V

Highlights: GIRA standard 55

MADE IN GERMANY EHC CE RoHS COMPLIANT

Description

The humidity / temperature transmitter records the temperature and humidity inside the housing and converts this measured value into a standard signal (linear output signal) 0-10 V.

The room humidity temperature transmitter is installed directly in the flush-mounted box in offices, apartments, for example, and is available in all common switch programs.

Technical Specifications

Measurement range r.H.	0-100% r.H.
Measurement range temp.	0...+50°C
Accuracy humidity	±3% r.H. (30-70% r.H., else ±5% r.H., at 20°C)
Accuracy temperature	±0,5 K
Temperature dependency	±0,02% r.H. / K (voltage output), ±0,04% r.H. / K (current version); ±0,05°C / 10 K (voltage version), ±0,07°C / 10 K (current output)
Long term stability	±1%/year
Sensor	Combined electronic humidity and temperature sensor
Sensor protection	mounted inside housing
Supply voltage analog 0-10 V	24 V AC/DC (±5%)
Current consumption at 0-10 V	typ. 10 mA
Analogue output 0-10 V	3-wire connection, load current < 0,1 mA
Electrical connection	push terminals max. 1,5 mm²
Light switch program	Busch Jäger (BJ), Gira (G), Jung (J), Berker (B), Merten (M)
Protection type	IP20
Protection class	III
Working range r.H.	0...98% r.H. in contaminant-free, non-condensing air
Working temperature	0...+50°C
Storage temperature	-20...+50°C
Installation	into in-wall junction box, diameter 55 mm
Approvals	CE, EAC, RoHS

Variants

Article Number			
Humidity	Temperature	Output	Light switch program
FS3190-U-H1T1-X			
0-100% r.H.	0...+50°C	2 x 0-10 V	GIRA Standard 55, pure white satin

Accessories

motrona AX350

AX350: touchMATRIX® Process Indicator with two 16 bit Analog Inputs

motrona AX020

AX020: Process Indicator for Analog Signals

Dimensional Drawing