

Transmitter with Built-in Temperature Sensor



BSI-TEMANx

AnaLink temperature transmitter with built-in Pt 1000 sensor

Temperature range: -30°C to +60°C (-22° to +140°F)

Uses only 1 channel

Channel coding by BGP-COD-BAT

BSI-TEMANA is delivered with a M12 plug

BSI-TEMANAB is delivered with 2 m cable

Easily mountable

Supplied by smart-house

Delivered with pre-programmed address on I/O 1



GENERAL SPECIFICATIONS

Channel programming	By BGP-COD-BAT
Channel assignment	1 channel, freely programmable Note: The channel is pre-programmed to address B7
Environment	
Degree of protection	IP 67
Operating temperature	-30° to +60°C (-22° to +140°F)
Storage temperature	-55° to +85°C (-67° to +185°F)
Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)

Connection

BSI-TEMANA	M12 plug
BSI-TEMANAB	Cable: 3 x 0.34 mm ²

Housing

Material	Housing	Flat-pack
	Plug	Polycarbonate
Colour		Nylon
Dimensions (l x w x d)		Light grey
		67 x 35 x 15 mm
Mounting		Direct wall mounting *)

*) To measure the air temperature, the sensor should not be wall-mounted, but should be exposed to air flow.

SENSOR SPECIFICATIONS

Sensor	PT 1000 (built-in)
Temperature measuring range	-30° to +60°C (-22° to +140°F)
Temperature probe	Typ. 800 µA
Accuracy	See curve below
Time constant	Typ. 450 s (air flow = 0 m/s)
	Typ. 350 s (air flow = 1 m/s)
Resolution	8 bits (approx. 0.35 K/LSB)

CONNECTIONS

M12 plug with terminals	Pin 1: smart-house D+
	Pin 4: D-

Standard cable with M12 plug (IEC 60947-5-2)

with 4 wires:	Brown: smart-house (1) D+
	Black: (4) D
	Blue: (3) D-
	White: (2) D-

with 3 wires (1-3-4):	Brown: smart-house (1) D+
	Black: (4) D-
	Blue: (3) D-

with 2 wires (1-4)	Brown: smart-house (1) D+
	Blue: D-

Note: All wires must be connected.

TYPE SELECTION

Supply	Ordering no.
By smart-house	Without cable BSI-TEMANA
	With cable BSI-TEMANAB

SUPPLY SPECIFICATIONS

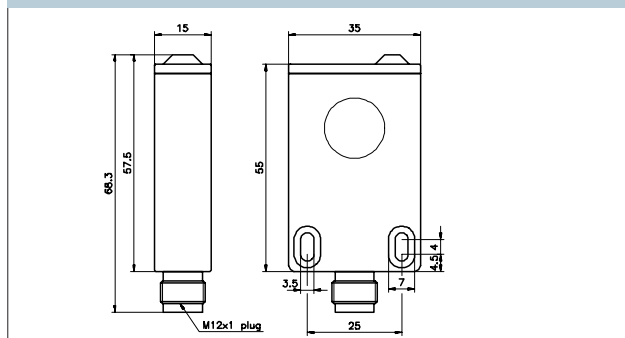
Power supply	Supplied by smart-house
Rated operational current	Typ. 800 µA

ACCESSORIES

Coding cable	GTS-CAB
Angular M12 plug	CONG 1A-A2
Straight M12 plug	CONG 1A-A5
Cable with angular plug	CONG 1O-A2*
Cable with straight plug	CONG 1O-A5*

* Indicate length 2 m or 5 m.

DIMENSIONS



ACCURACY

