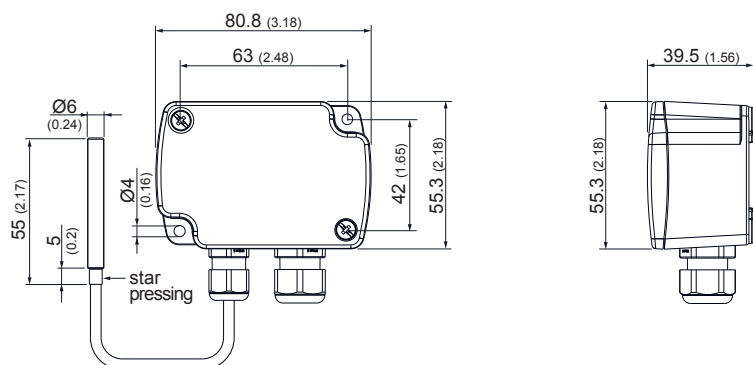


General

Insulation resistance (remote probe)	> 100 MΩ at 20 °C (68 °F)
Response time τ_{63}	< 1 min, at 3 m/s (590 ft/min) air velocity < 30 s, with immersion well in liquid water bath
Sensor sleeve material	stainless steel (1.4571 / 316Ti)
Cable material	PVC
Enclosure material	polycarbonate, UL94-V0 approved
Protection class	IP65 / NEMA 4 (enclosure), IP67 / NEMA 4 (remote probe)
Cable gland	M16x1.5, UL94-V2
Storage temperature	-30 °C...+70 °C (-22 °F...+158 °F)
Working and storage humidity range	5 % rh...95 % rh, no condensation

Dimensions in mm (inch)

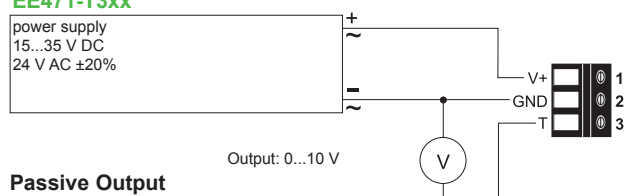


Connection Diagram

Active Output

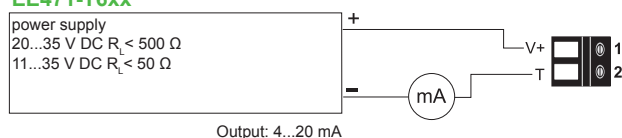
EE471-T3xx

power supply
15...35 V DC
24 V AC $\pm 20\%$



EE471-T6xx

power supply
20...35 V DC $R_L < 500 \Omega$
11...35 V DC $R_L < 50 \Omega$



Passive Output

EE471-Txx



Additional Information

Wire Resistance / Temperature Offset

(Only relevant for passive output!)

Cable length	Wire resistance	Temperature offset for Pt100 ^{*)}
0.5 m (1.64 ft)	0.124 Ω	0.32 °C (32.576 °F)
2 m (6.56 ft)	0.364 Ω	0.93 °C (33.674 °F)
3 m (9.84 ft)	0.520 Ω	1.33 °C (34.394 °F)

*) For high-resistance T-sensors ($R \geq 1000 \Omega$) the temperature offset is negligible.

Scope of Supply

- EE471 Temperature sensor according ordering guide
- Cable gland
- Two self-adhesive labels for configuration changes (see user guide at www.epluse.com/relabeling)
- Test report according to DIN EN10204 - 2.2 (for active output only)

Ordering Guide

MODEL	ANALOGUE OUTPUT	T-SENSOR PASSIVE ¹⁾	CABLE MATERIAL	CABLE LENGTH	SCALING ²⁾ (analogue output only)	UNIT (analogue output only)
Temperature (T)	0-10 V (3x)	Pt100 DIN B (B)	PVC (A)	0.5 m (1.6 ft) (APO)	-40...60 (002)	°C (M)
	4-20 mA (6x)	Pt1000 DIN B (D)		2 m (6.6 ft) (DPO)	-20...80 (024)	°F (N)
	none (xx)	NTC10k (L)		3 m (9.8 ft) (EPO)	0...50 (004)	
		NTC1.8k (G)			0...100 (005)	
		Ni1000 TK6180 DIN B (J)			32...212 (075)	
		Ni1000 TK5000 DIN B (T)			-40...140 (083)	
		Analogue output (x)				
EE471-						

1) T-Sensor details see www.epluse.com/R-T_Characteristics
 2) other scaling upon request

Order Example

Passive Output

EE471-TxxDADPO

Model: Temperature
 T-Sensor passive: Pt1000 DIN B
 Cable Material: PVC
 Cable Length: 2 m (6.6 ft)

Active Output

EE471-T3xxAEPO/024M

Model: Temperature
 Analogue Output: 0-10 V
 Cable Material: PVC
 Cable Length: 3 m (9.8 ft)
 Scaling: -20...80 °C

Accessories

Product configuration adapter [see data sheet EE-PCA](#)
 Product configuration software [EE-PCS](#) (free download: www.epluse.com/configurator)
 Power supply adapter [V03](#) (see data sheet Accessories)
 Conduit adapter, M16x1.5 to 1/2" [HA011110](#)

Mounting

Immersion well - Thread: R 1/2" ISO

Length	50 mm (1.97")	135 mm (5.31")	285 mm (11.22")
brass	HA400101	HA400102	HA400103
stainless steel	HA400201	HA400202	HA400203

Immersion well - Thread: 1/2" NPT

Length	50 mm (1.97")	135 mm (5.31")	285 mm (11.22")
brass	HA400111	HA400112	HA400113
stainless steel	HA400211	HA400212	HA400213

For further information please see datasheet EE431.

Mounting with immersion well:



1. The spring inside the well must be removed and replaced by a standard M12x1.5 cable gland (not included in the scope of supply).
 2. Insert the remote cable sensor and fix it by fastening the cable gland.
- Please observe the operating temperature range of the cable gland!

Cable gland (M12x1.5, -40 °C...+100 °C / -40 °F...+212 °F, UL94-V0) [HA403101](#)

Hose clamp (for pipe mounting of remote probe) [HA402101](#)
 For further information please see datasheet EE441.