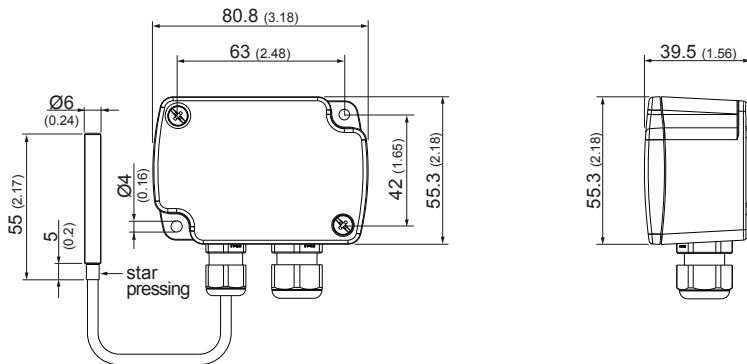


General

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)

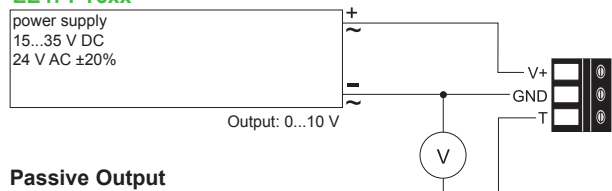


Connection Diagram

Active Output

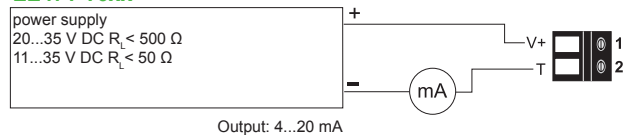
EE471-T3xx

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)	0.086 Ω	0.22 °C (0.396 °F)
2 m (6.56 ft)	0.344 Ω	0.88 °C (1.584 °F)
3 m (9.84 ft)	0.516 Ω	1.32 °C (2.376 °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	OUTPUT	CABLE MATERIAL	CABLE LENGTH	DESIGN	SCALING ³⁾ (analogue output only)	UNIT (analogue output only)
Temperature (T)	Analogue	PVC (A)	0.5 m (1.6 ft) (A) 2 m (6.6 ft) (D) 3 m (9.8 ft) (E)	Standard (PO)	-40...60 (002) -20...80 (024) 0...50 (004) 0...100 (005) 32...212 (075) -40...140 (083)	°C (M) °F (N)
	0-10 V (3xx)					
	4-20 mA (6xx)					
	T-Sensor passive¹⁾					
	Pt100 DIN B (xxB)					
	Pt1000 DIN B (xxD)					
	NTC1.8k (xxG)					
	NTC2.2k (xxV)					
	NTC10k B3950 (xxL)					
	NTC10k B3435 (xxO)					
	KTY81-210 (xxN)					
	Ni1000 TK6180 DIN B (xxJ)					
Ni1000 TK5000 DIN B (xxT)						
EE471-						

1) T-Sensor details see www.epluse.com/R-T_Characteristics

3) other scaling upon request

Order Example

Passive Output

EE471-TxxDADPO

Model: Temperature
Output: Pt1000 DIN B
Cable Material: PVC
Cable Length: 2 m (6.6 ft)
Design: Standard

Active Output

EE471-T3xxAEPO/024M

Model: Temperature
Output: 0-10 V
Cable Material: PVC
Cable Length: 3 m (9.8 ft)
Design: Standard
Scaling: -20...80
Unit: °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")	100 mm (3.94")	135 mm (5.31")	285 mm (11.22")
brass	HA400101	HA400104	HA400102	HA400103
stainless steel	HA400201	HA400204	HA400202	HA400203

Immersion well - Thread: 1/2" NPT

Length	50 mm (1.97")	100 mm (3.94")	135 mm (5.31")	285 mm (11.22")
brass	HA400111	HA400114	HA400112	HA400113
stainless steel	HA400211	HA400214	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.