Cable Temperature Sensor

Cable type temperature sensor with adjustable rubber mounting flange for measuring temperature in FCU, AHU and VAV applications. Incorporates a stainless steel probe and plenum rated cable.

Type Overview

Type	Output Signal Passive Temperature	Probe Length	Probe Diameter
01CT-5BL	PT1000	4" [100 mm]	0.24" [6 mm]
01CT-5BP	PT1000	8" [200 mm]	0.24" [6 mm]
01CT-5LL	NTC10k2	4" [100 mm]	0.24" [6 mm]
01CT-5LP	NTC10k2	8" [200 mm]	0.24" [6 mm]
01CT-5ML	NTC10k3	4" [100 mm]	0.24" [6 mm]
01CT-5MP	NTC10k3	8" [200 mm]	0.24" [6 mm]
01CT-5QL	NTC20k	4" [100 mm]	0.24" [6 mm]
01CT-5QP	NTC20k	8" [200 mm]	0.24" [6 mm]

Technical Data

Electrical Data	Cable Specification	1 pair shielded plenum cable, 22AWG tinned copper, green jacket, -40°F to 300°F (-40°C to 150°C), 300 V
Functional Data	Output Signal Passive Temperature	PT1000 NTC10k2 NTC10k3 NTC20k
	Media	air water
Measuring Data	Measured Values	temperature
	Measuring Range Temperature Settings	-30°F to 210°F [-35°C to 100°C]
	Accuracy Temperature	passive sensors depending on used type PT.. = ±0.5°F @ 32°F [±0.3°C @ 0°C] NTC.. = ±0.3°F @ 77°F [±0.2°C @ 25°C]
Safety Data	Ambient Humidity	85% RH non-condensing
	Ambient Temperature	-30°F to 210°F [-35°C to 100°C]
	Medium Temperature	-30°F to 210°F [-35°C to 100°C]
	Protection Class IEC/EN	III protective extra-low voltage (pelv)
	Protection Class UL	UL Class 2 Supply
	EU Conformity	CE Marking
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-9
	Certification UL	pending
	Degree of Protection IEC/EN	IP67
	Degree of Protection NEMA/ UL	NEMA 4X
	Quality Standard	ISO 9001
	Weight	0.070 lbs

Safety Notes

⚠️ The installation and assembly of electrical equipment should only be performed by authorized personnel.

The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.
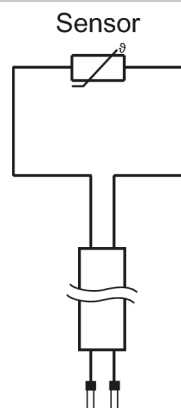
Please comply with
• Local laws, health & safety regulations, technical standards and regulations
• Condition of the device at the time of installation, to ensure safe installation
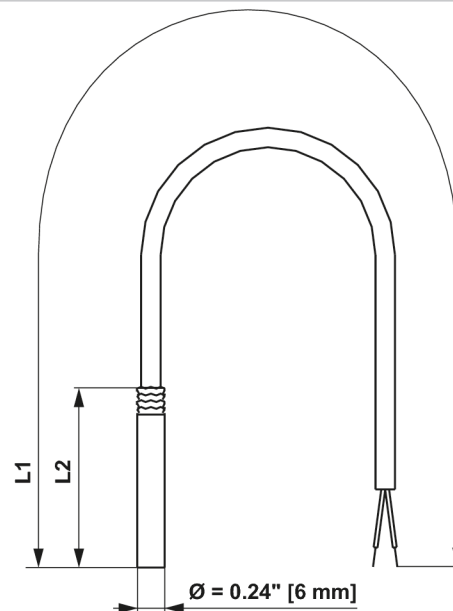• This data sheet and installation manual

Accessories

Scope of Delivery   mounting flange

Wiring Diagram

Sensor

Dimensions

Ø = 0.24" [6 mm]

Humidity seal rolling

L1: cable length
L2: pocket length

L1 = 6.56 ft [2 m]

L2 = 1.97" [50 mm] / 3.94" [100 mm] / 7.87" [200 mm]