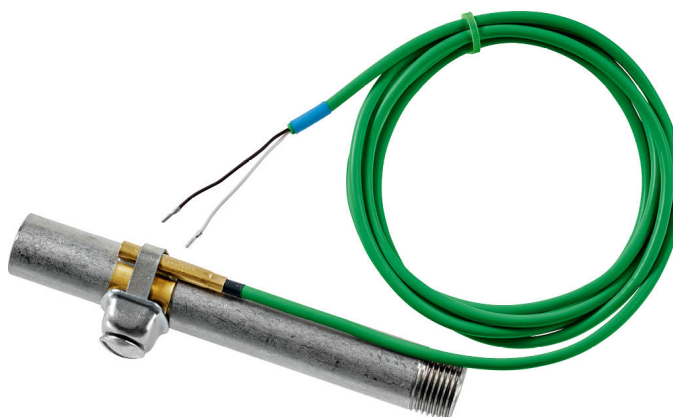## Contact Temperature Sensor

Surface contact mounted temperature sensor for pipe and arched surfaces. Plenum rated cable and a brass probe for fast response and accuracy and NEMA 4 / IP65 rated.
[Pipe clamp included.]

5 YEAR WARRANTY

Type Overview

Type	Output signal passive temperature
01ST-5A3	PT100
01ST-5B3	PT1000
01ST-5E3	Ni1000 (JCI)
01ST-5L3	NTC10k2
01ST-5M3	NTC10k3
01ST-5Q3	NTC20k

Technical Data

Electrical Data	Electrical connection	cable 6.5 ft. [2 m], 2-wire
Functional Data	Output signal passive temperature	PT1000 Ni1000 (JCI) NTC10k2 NTC10k3 NTC20k
	Media	water
Measuring Data	Measuring values	temperature
	Measuring range temperature	-30...210 °F [-35...100 °C]
	Accuracy temperature passive	passive sensors depending on used type PT.. = ±0.5 °F @ 32 °F [±0.3 °C @ 0 °C] Ni.. = ±0.7 °F @ 32 °F [±0.4°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...210 °F [-35...100 °C]
	Medium temperature	-30...210 °F [-35...100 °C]
	Protection class IEC/EN	III protective extra-low voltage (pelv)
	Protection class UL	UL Class 2 Supply
	EU Conformity	CE-Kennzeichnung
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-9
	Certification UL	cULus acc. to UL60730-1A/-2-9, CAN/CSA E60730-1:02/-2-9, CE acc. to 2004/108/EC and 2006/95/EC, NEMA 4X, IP65
	Degree of protection IEC/EN	IP65
	Degree of protection NEMA/UL	NEMA 4
	Quality Standard	ISO 9001

Safety Notes

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

This device has been designed for use in stationary heating, ventilation and air conditioning systems and must not be used outside the specified field of application. Unauthorised modifications are prohibited. The product must not be used in relation with any equipment that in case of a failure may threaten human, animals or assets.
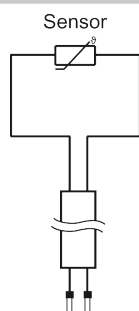Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

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
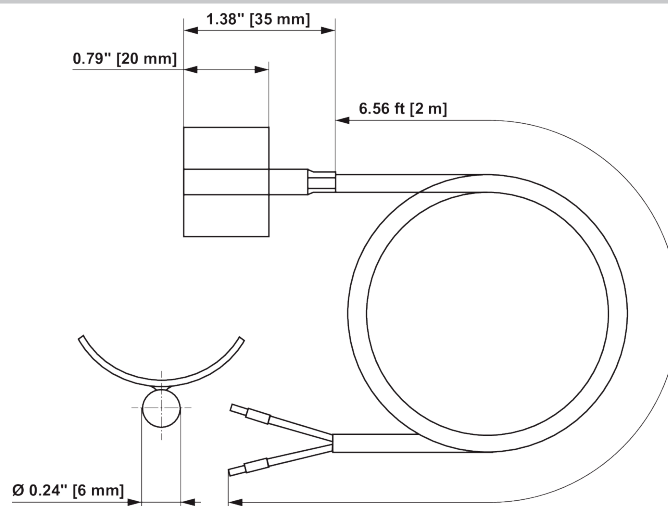• This data sheet and installation manual

Accessories

Optional accessories	Description	Type
	tightening strap for pipe diameter up to 4.3" [110 mm] with thermal contact fluid	A-22P-A40
	tightening strap for pipe diameter up to 35" [900 mm] with thermal contact fluid	A-22P-A42
	syringe thermal contact fluid	A-22P-A44

Wiring Diagram

Dimensions

Dimensions

1.38" [35 mm]

0.79" [20 mm]

6.56 ft [2 m]

Ø 0.24" [6 mm]

.

Type	Probe length	Weight
01ST-5A3	-	0.13 lb [0.060 kg]
01ST-5B3	-	0.13 lb [0.060 kg]
01ST-5E3	-	0.13 lb [0.060 kg]
01ST-5L3	-	0.13 lb [0.060 kg]
01ST-5M3	-	0.13 lb [0.060 kg]
01ST-5Q3	-	0.13 lb [0.060 kg]