

## Contact Temperature Sensor

Surface contact mounted pipe temperature sensor. Nema 4X / IP65 rated enclosure.  
Spring loaded brass contact sensor to ensure fast response and accurate reading.  
[Pipe clamp included.]



## Type Overview

Type	Output signal passive temperature
01HT-5A	PT100
01HT-5B	PT1000
01HT-5E	Ni1000 (JCI)
01HT-5L	NTC10k2
01HT-5M	NTC10k3
01HT-5Q	NTC20k

## Technical Data

<b>Electrical Data</b>	Electrical connection	removable spring loaded terminal block max. 11 GA [2.5 mm <sup>2</sup> ]
	Cable entry	Cable gland with strain relief Ø6...8 mm (1/2" NPT conduit adapter included)
<b>Functional Data</b>	Output signal passive temperature	PT100 PT1000 Ni1000 (JCI) NTC10k2 NTC10k3 NTC20k
	Media	water
<b>Measuring Data</b>	Measuring values	temperature
	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]
<b>Materials</b>	Cable gland	PA6, black
	Housing	cover: lexan, orange base: lexan, orange seal: 0467 NBR70, black

<b>Safety Data</b>	Ambient humidity	85% RH non-condensing
	Ambient temperature	-30...120 °F [-35...50 °C]
	Medium temperature	-30...195 °F [-35...90 °C]
	Housing surface temperature	max. 195°F [90°C]
	Protection class IEC/EN	III safety extra-low voltage (selv)
	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 4X
	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

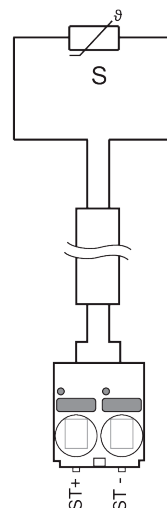
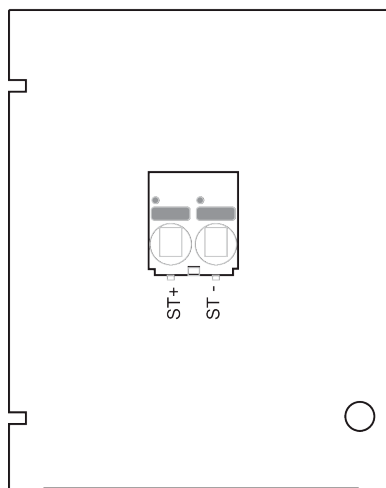
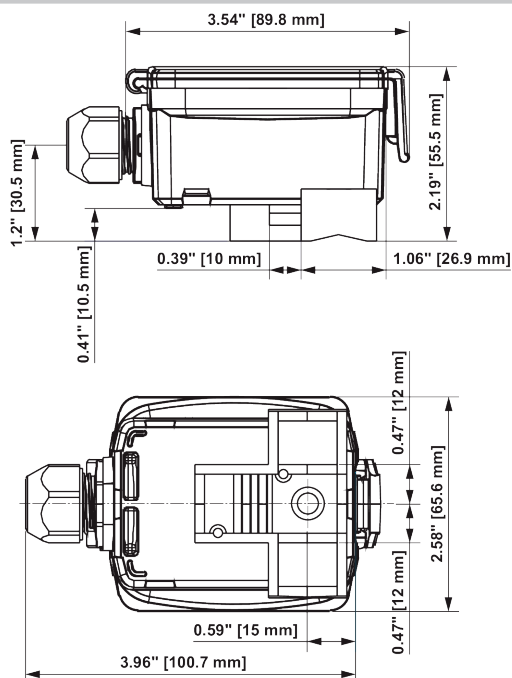
- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

**Scope of delivery**

1/2" NPT conduit adapter

**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

**Wiring Diagram**

**Dimensions**
**Dimensions**


Type	Probe length	Weight
01HT-5A	-	0.21 lb [0.095 kg]
01HT-5B	-	0.21 lb [0.095 kg]
01HT-5E	-	0.21 lb [0.095 kg]
01HT-5L	-	0.21 lb [0.095 kg]
01HT-5M	-	0.21 lb [0.095 kg]
01HT-5Q	-	0.21 lb [0.095 kg]