BELIMO®

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 is not included. See accessories.]

5 YEAR WARRANTY

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

Electrical Data	Electrical Connection	removable spring loaded terminal block max. 11 GA [2.5 mm²]
	Cable Entry	cable gland PG11 Ø6 to 10 mm, with strain relief Ø6 to 8 mm, 1/2" conduit adapter included
Functional Data	Output Signal Passive Temperature	PT100 PT1000 Ni1000 (JCI) NTC10k2 NTC10k3 NTC20k
Measuring Data	Media	water
	Measured Values	temperature
	Accuracy Temperature	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]
Materials	Cable Gland	PA6, black
	Housing	cover: lexan, Belimo orange NCS S0580-Y6OR base: lexan, Belimo orange NCS S0580-Y6OR seal: 0467 NBR70, black

Safety Data

Ambient Humidity	85% RH non-condensing
Ambient Temperature	-30°F to 120°F [-35°C to 50°C]
Medium Temperature	-30°F to 195°F [-35°C to 90°C]
Housing Surface Temperature (Tsurf)	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 Marking
Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-9
Certification UL	pending
Degree of Protection IEC/EN	IP65
Degree of Protection NEMA/ UL	NEMA 4X
Quality Standard	ISO 9001
Weight	0.095 lbs

Safety Notes

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The installation and assembly of electrical equipment should only be performed by authorized personnel.
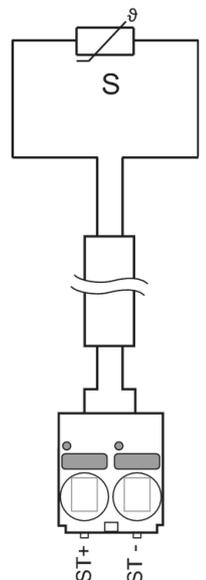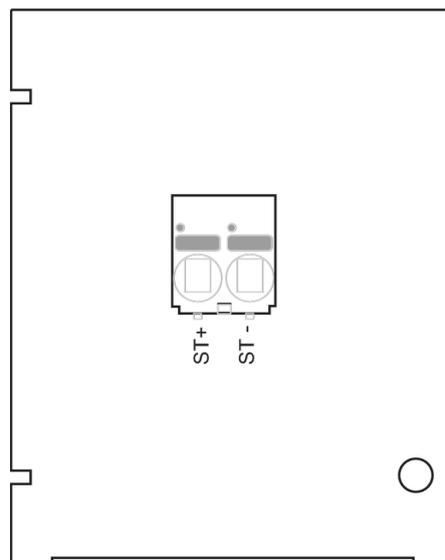
The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. 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 cable gland nut conduit 1/2" NPT

Optional Accessories

Description	Type
tightening strap 1.6 to 4.3" [40 to 110 mm] with contact fluid	A-22P-A40
tightening strap 2 to 35" [50 to 900 mm] with contact fluid	A-22P-A42

Wiring Diagram

Dimensions

3.54" [89.8 mm]

2.19" [55.5 mm]

1.2" [30.5 mm]

0.41" [10.5 mm]

0.39" [10 mm]

1.06" [26.9 mm]

0.47" [12 mm]

2.58" [65.6 mm]

0.47" [12 mm]

0.59" [15 mm]

3.96" [100.7 mm]