



Beyond
the measure

Industrial Precision TH Transmitter

For laboratory cabinets

FT 12366



Non contractual picture

Presentation

The Industrial Precision TH Transmitter for cabinet is especially suitable for high temperatures and demanding industrial environments :

Production environments, high temperatures, industrial production, drying processes, climatic chamber.

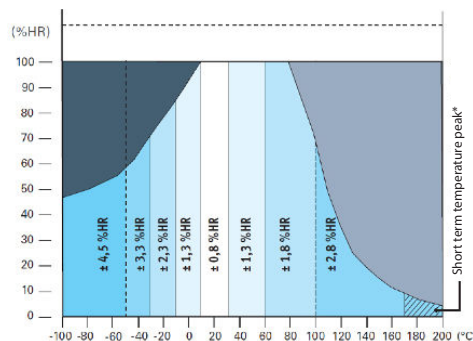
It is compatible with the LoRa® SPY U. A Nano SPY U can also be connected directly to the transmitter's analogue output or via a universal cable using an IP67 Binder connector.

Technical features

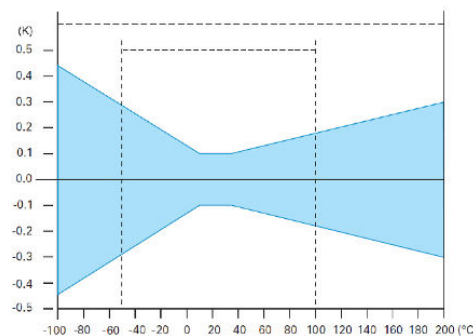
Measurement range	-100 to +200°C 0 - 100% RH
Stability on a long term basis	<1% RH/year
Operating conditions	-100 to +200°C
Temperature sensor	Class A PT100
Filter	Filter carrier, brass nickel plated
Power supply	3.3 V ±0.1V
Output	2x 0 -1VCC
Cable length	2m
Connector protection index	IP65
Weight	230g (sensor only)
Dimensions	Ø15×100 mm

* The sensors accept temperature peak of 3×5 minutes at 200°C, without damage.
No influence of time span between the temperature peaks. Longer peaks may

Humidity accuracy



Temperature accuracy



Non contractual document

JRI, Société par actions simplifiée au capital de 4 000 000 €
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원문: JRI Precision temperature and humidity transmitter – Industrial monitored units Precision temperature and humidity transmitter – Industrial monitored units · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

Connection

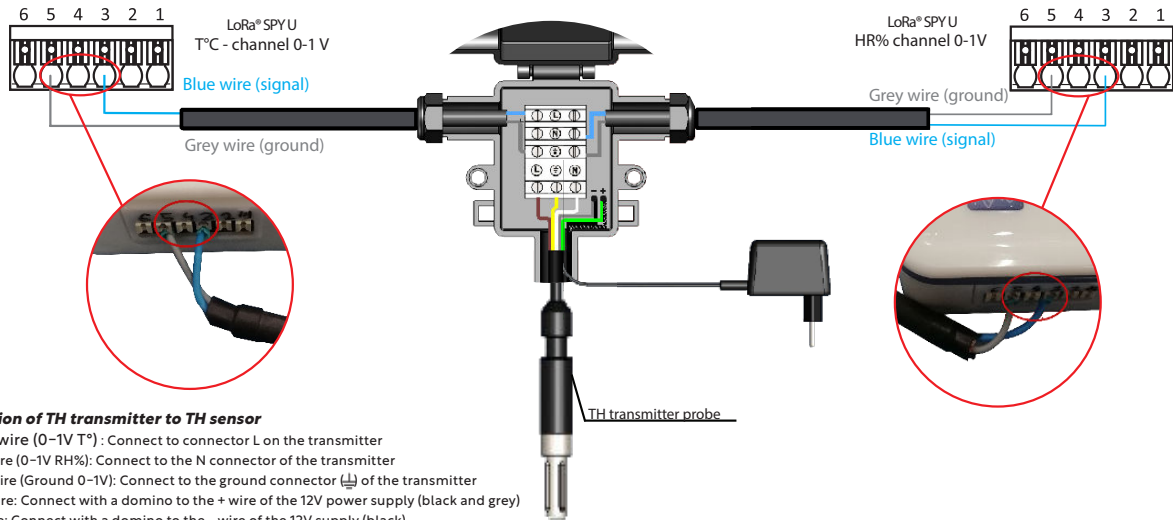
Case 1: Connection diagram with a LoRa® SPY U

T°C channel

- Blue wire: Connect one extremity to the connector 3 of a LoRa® SPY U. The other extremity should be connected to the L connector of the industrial TH transmitter
- Grey wire: Connect one extremity to the connector 5 of a LoRa® SPY U. Connect the other extremity to the ground connector (⏏) of the industrial TH transmitter

HR% channel

- Blue wire: Connect one extremity on the connector 3 of a LoRa® SPY U. The other extremity should be connected to the N connector of the industrial TH transmitter
- Grey wire: Connect one extremity to the connector 5 of a LoRa® SPY U. Connect the other extremity to the ground connector (⏏) of the industrial TH transmitter



Connection of TH transmitter to TH sensor

- Brown wire (0-1V T°): Connect to connector L on the transmitter
- White wire (0-1V RH%): Connect to the N connector of the transmitter
- Yellow wire (Ground 0-1V): Connect to the ground connector (⏏) of the transmitter
- Green wire: Connect with a domino to the + wire of the 12V power supply (black and grey)
- Grey wire: Connect with a domino to the - wire of the 12V supply (black)

Case 2: Connection diagram with a Nano SPY U

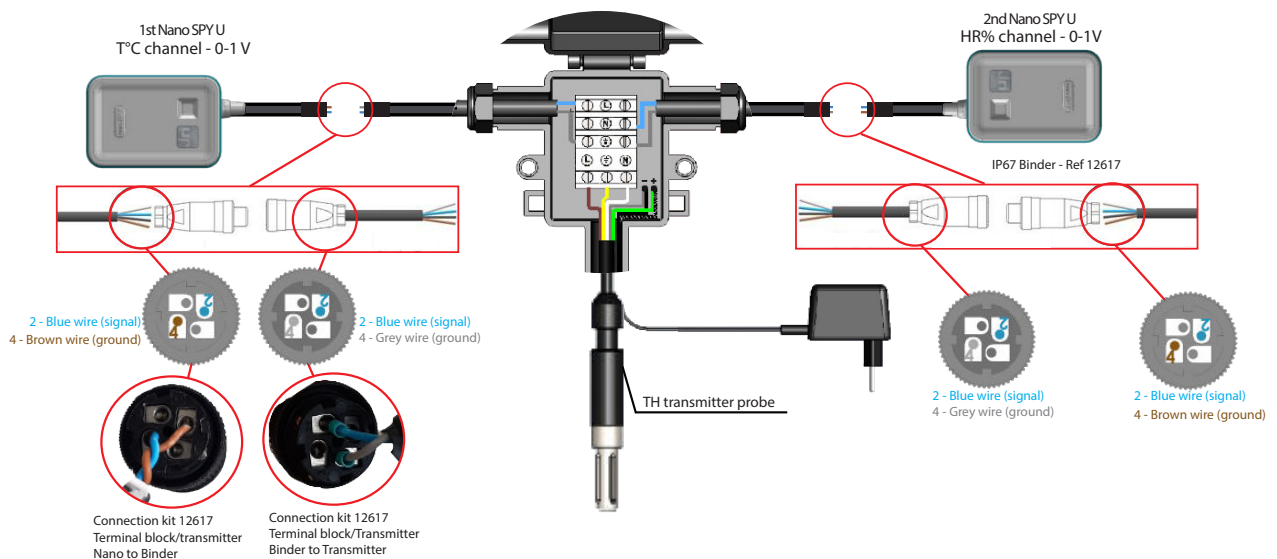
JRI recommends the use of a IP67 Binder connector (ref 12617) to connect the Nano SPY U to the industrial TH transmitter.

T°C channel

- Blue wire of the 1st Nano SPY: Connect to the terminal block 2 of the IP67 connector.
- Brown wire of the 1st Nano SPY: Connect to terminal 4 of the IP67 connector.
- Universal cable blue wire: Connect one side to the connector L of the industrial TH transmitter. And the other extremity on the terminal block 2 of the IP67 connector.
- Universal cable grey wire: Connect one side to the ground connector (⏏) of the industrial TH transmitter. Connect the other extremity to terminal 4 of the IP67 connector.

HR% channel

- Blue wire of the 2nd Nano SPY: Connect to the terminal block 2 of the IP67 connector.
- Brown wire of the 2nd Nano SPY: Connect to terminal 4 of the IP67 connector.
- Universal cable blue wire: Connect one side to the N connector of the industrial TH transmitter. And the other extremity on the terminal block 2 of the IP67 connector.
- Universal cable grey wire: Connect one side to the ground connector (⏏) of the industrial TH transmitter. Connect the other extremity to terminal 4 of the IP67 connector.



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