



O₂ Transmitter

For storage aeras and cryoconservation rooms



Non contractual picture

Part nr. 09491

Presentation

The transmitter measures volume of Oxygen (O₂) in air in percentage. Its functioning performances meet the ATEX requirements, and current regulations and toxicological standards.

It is delivered with power supply and an universal cable to be compatible with the LoRa® SPY U recorder. 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	From 0 to 25% oxygen volume
Humidity	From 0 to 90% RH no condensing
Cables	2 armored wires of 0,5 to 2,5 mm > section, M20 thread
Housing	A356 Aluminium alloy, marine quality with polyester coating
Mounting	On wall
Protection index	IP 65
Output	4-20mA
Power supply	8-30 VDC
Consumption	24 mA max
Response time	T90 < 10s for oxygen
Operating conditions	-20 to +50°C
Weight	1 kg
Dimensions	156x166x111 mm
Power supply to be ordered separately	Yes
Universal cable to be ordered separately	Yes
Delivered with	User manual

FT 09491 EN A

Connection

Case 1: Connection diagram with a LoRa® SPY U

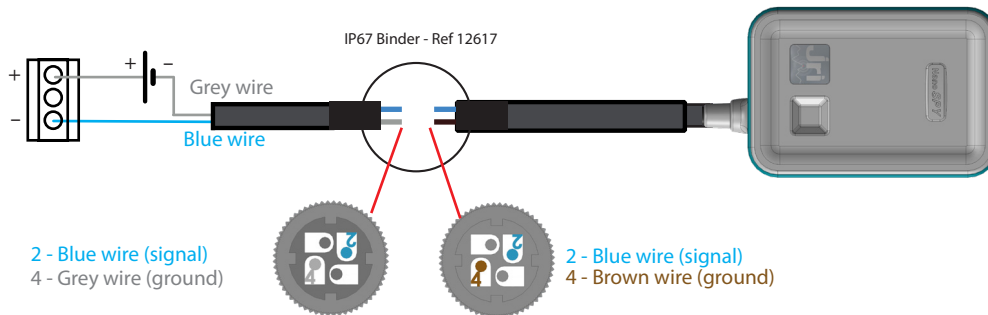
- Blue wire: Connect one extremity to the connector 3 of the LoRa SPY U. The other extremity is to be connected to the terminal block - of the O² transmitter.
- Grey wire: Connect one extremity to the connector 5 of the LoRa SPY U. Connect the other extremity with a domino to the wire - of the 24V supply (black wire). The wire + of the 24V supply (black and grey) should be connected to the + terminal of the O² transmitter.



Case 2: Connection diagram with a Nano SPY U

JRI recommends the use of a IP67 Binder connector (ref 12617) and a universal cable to connect the Nano SPY U to the O² transmitter.

- Nano SPY U blue wire: Plug into terminal 2 of the IP67 connector.
- Nano SPY U brown wire: Plug into terminal 4 of the IP67 connector.
- Universal cable blue wire: Connect to the terminal block - of the O² transmitter.
- Universal cable grey wire: Connect with a domino to the wire - of the 24V supply (black wire).
- The wire + of the 24V supply (black and grey) is to be connected to the + terminal of the O² transmitter.



Case 2: Variant connection with a Nano SPY U

- Brown wire: on the - wire of the 24V power supply (black wire)
- Blue wire: on the terminal block - of the O² transmitter
- The + wire of the 24V supply (black and grey) should be connected to the + terminal of the O² transmitter

