

Beyond  
the measure

## Ambient CO<sub>2</sub> Transmitter

PRECISE, DISCREET &amp; EASY TO USE

Precise measurement of CO<sub>2</sub> concentration levels for monitoring  
indoor air quality



Non contractual photo

FT 14120 A

### Presentation

Easily integrated into MySirius via Nano U or via Lora U, the ambient CO<sub>2</sub> transmitter enables alarms to be triggered at user-defined thresholds.

The device accurately measures CO<sub>2</sub> concentration thanks to its dual-wavelength non-dispersive infrared (NDIR) sensor. Its advanced technology automatically compensates for sensor ageing, guaranteeing reliable measurements and optimum long-term stability.

### Technical specifications

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Measurement principle         | Non-dispersive dual wavelength infrared (NDIR) technology |
| Measurement range             | 0 - 5 000 ppm                                             |
| Response time t <sub>63</sub> | <180 s                                                    |
| Working conditions            | from 0°C to +50°C                                         |
| Accuracy                      | < ±(60 ppm +3 % of measured value)                        |
| Output                        | 4-20 mA                                                   |
| Drift                         | <20 ppm/year                                              |
| Protection                    | IP30                                                      |
| Enclosure                     | Polycarbonate - UL94 HB                                   |
| Compliance                    | CE, UK CA                                                 |
| Power supply                  | 15 - 35 V DC                                              |
| Shock and vibration           | Compliant with EN 60068-2-27 and EN 60068-2-64            |
| References                    | 14120                                                     |

### Assets

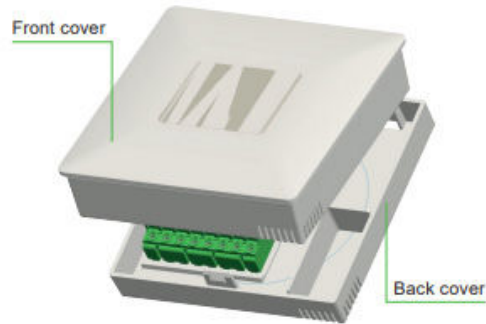
- **Easy to use**  
Minimizes false air ingress for accurate measurements by preventing external ambient air from affecting internal sensors
- **Quick installation**  
Tool-free clip system for easy, efficient installation
- **Simplified design**  
The casing fits discreetly into a variety of interior environments
- **Maintenance**  
The smooth, dust-free surface of the case makes cleaning easy

JRI, Société par actions simplifiée au capital de 4 000 000 €  
Pôle logistique / 2 Rue de la Voivre / PA Technoland / BP 21 / 25490 FESCHES LE CHÂTEL / France  
SIRET 380 332 858 00030 - Tél : +33 (0)3 81 30 68 04 / Fax : +33 (0)3 81 30 60 99 / sales@group-mms.com  
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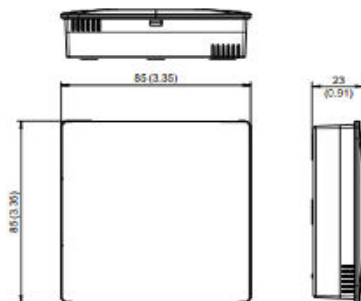
[www.jri-mms.com](http://www.jri-mms.com)

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## Visual appearance



## Dimensions



### Open the housing

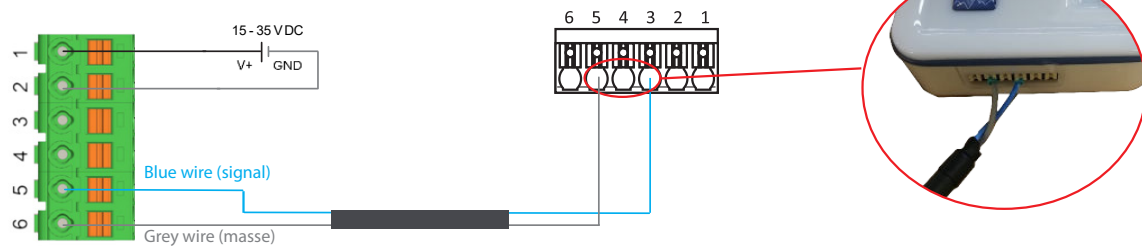
Press to release the latch A till the housing can be opened.

### Close the housing

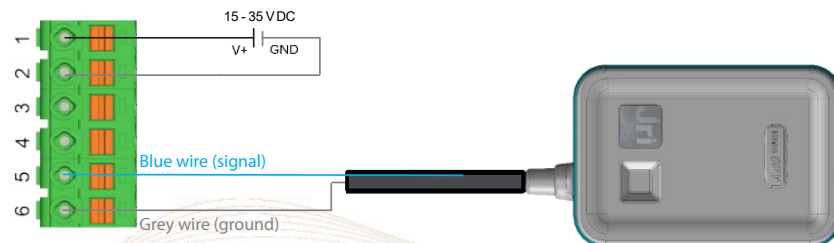
Set the front cover into flutes B, rotate it like C and press it onto the back cover till the latch A snaps in.

## Connection scheme

### Case 1 : Connection diagram with a LoRa® SPY U



### Case 2 : Connection diagram with a Nano SPY U



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