

# WATTECO 50-70-080 Modbus Class A LoRaWAN Master Sensor User Guide

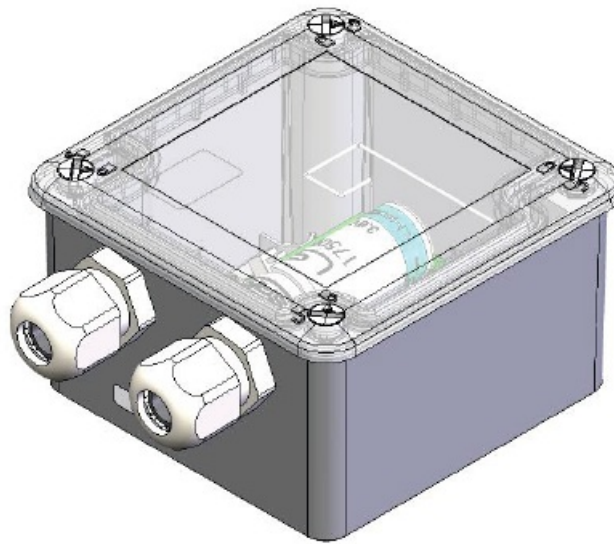
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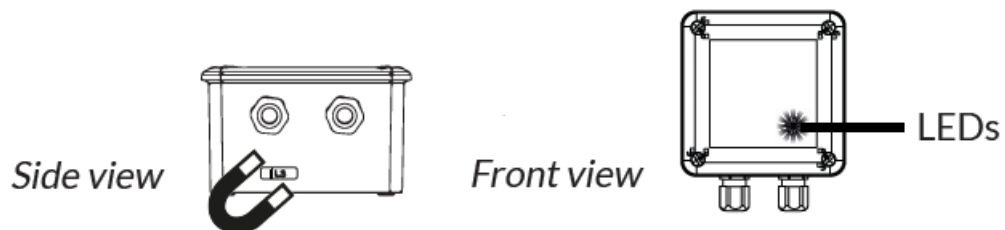


**WATTECO 50-70-080 Modbus Class A LoRaWAN Master Sensor**

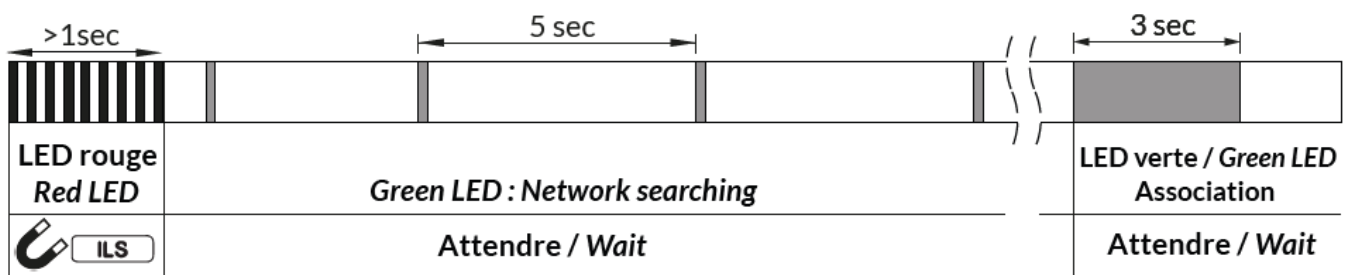


## Start

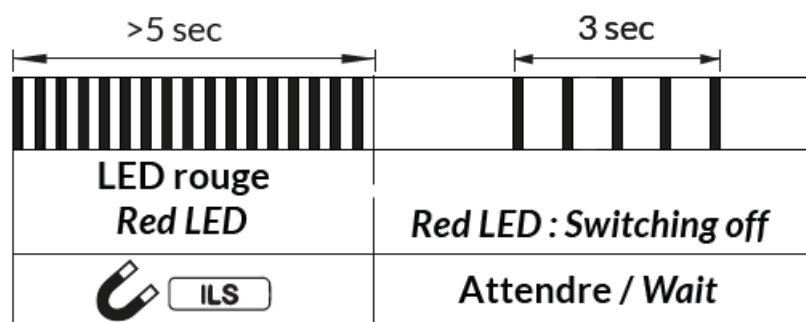
Provision the device on your LoRaWAN® network with the keys available on the secure platform.



## ON

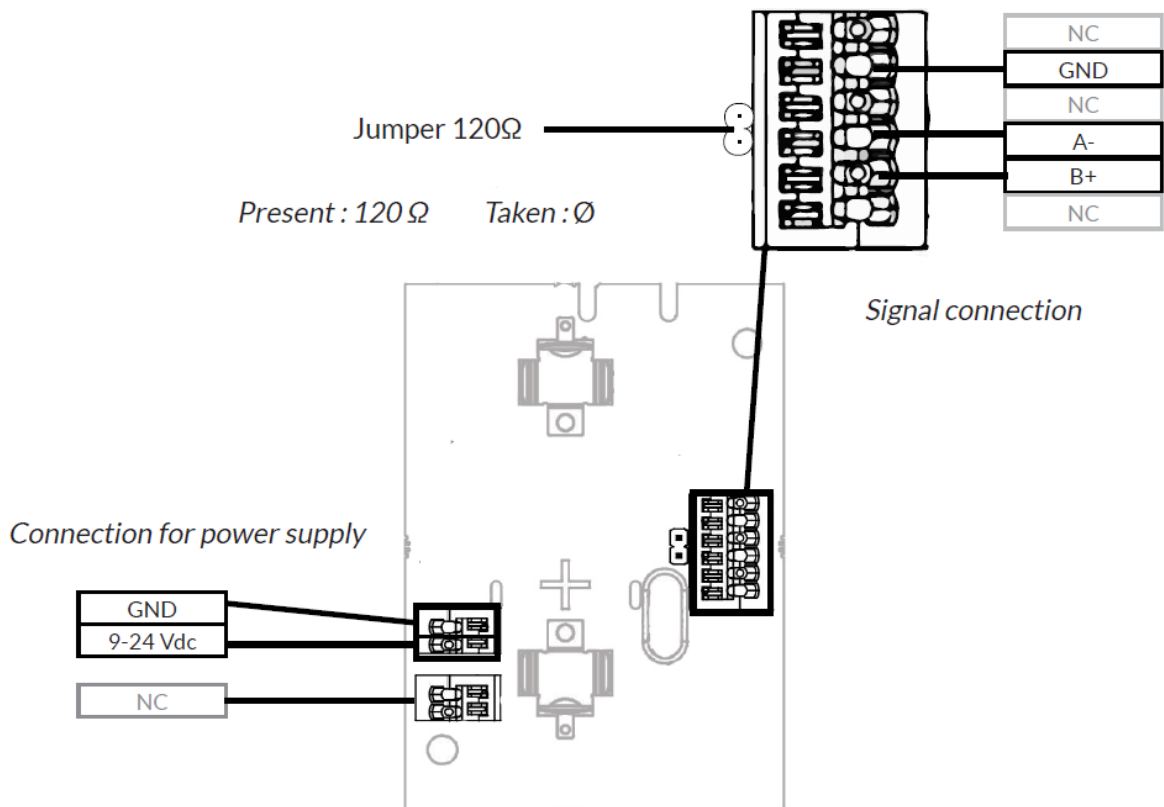


## OFF



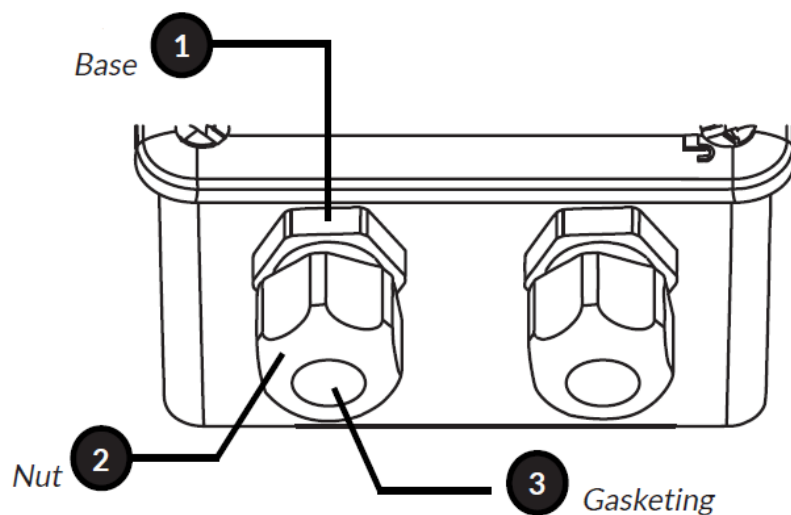
Video:  
ON – OFF

## Connectors



The 120Ω line termination jumper can be enabled or disabled at the user's discretion for proper RS485 bus communication.

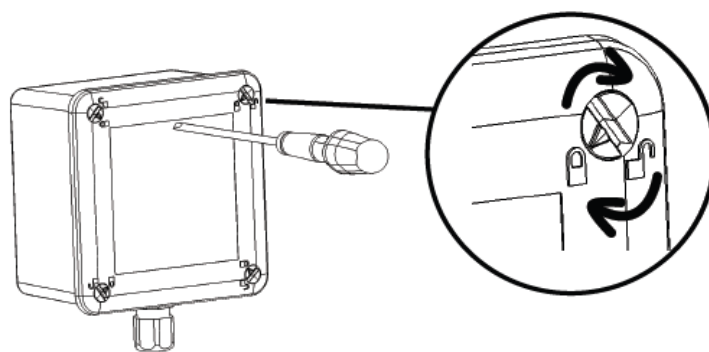
Use a flexible cable with a sheath with a diameter between 2.5mm and 6.5mm and single-stranded (or multi-stranded with crimp) 20-26AWG wires.



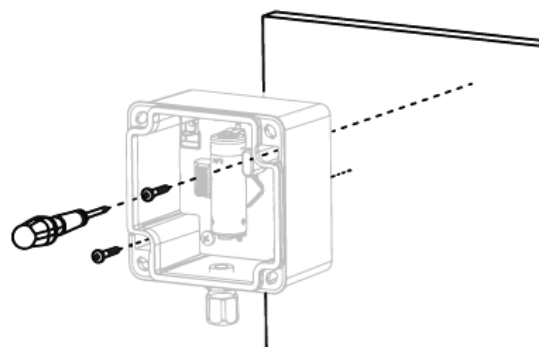
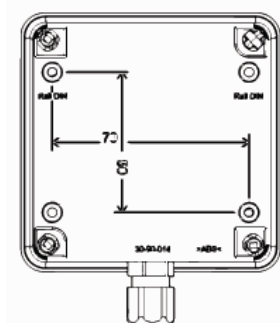
Hold the base(1) of the cable gland and slightly loosen the nut(2).  
Thread the cable, taking care not to damage the seal(3).  
Strip the cable for about 10cm. Adjust the cable and retighten the nut.

## Setting up

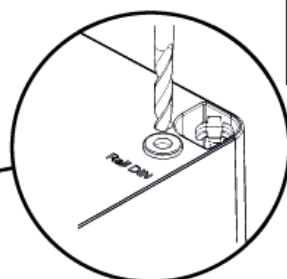
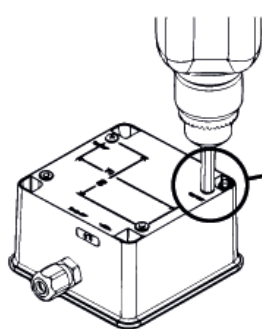
## Opening / Closure



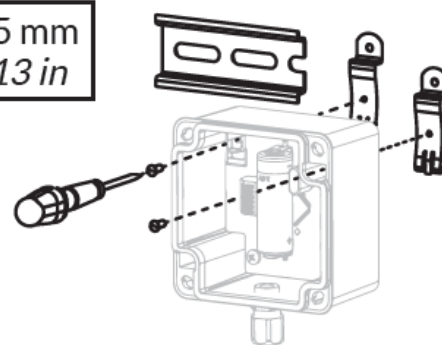
## Wall mounting



## RailDIN

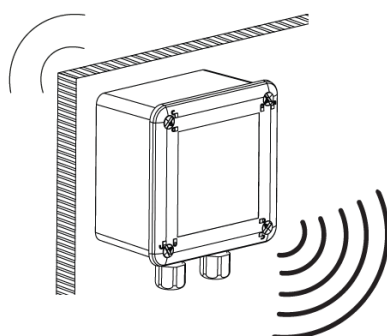


Foret  $\varnothing 3,5$  mm  
Drill  $\varnothing 0.13$  in

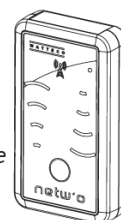


Please note that after installation of the railDIN kit, the protection rating of the housing will change to IP50.

## Radio propagation



Check the radio coverage  
with the Netw'O.



## Characteritics

|                         |                     |                     |
|-------------------------|---------------------|---------------------|
| <b>Reference</b>        | <b>50-70-080</b>    | <b>50-70-109</b>    |
| <b>Class</b>            | A                   | C                   |
| <b>Power Level</b>      | +14 dBm             | +14 dBm             |
| <b>Measures :</b>       | Modbus RS485        | Modbus RS485        |
| <b>Antenna</b>          | Interne<br>Internal | Interne<br>Internal |
| <b>Casing materials</b> | ASA/PC              | ASA/PC              |
| <b>IP rating</b>        | IP55                | IP55                |

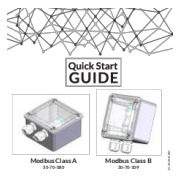
## SITE SUPPORT

<https://support.watteco.com/>

## CERTIFICATIONS

Watteco represented by JC LE BLEIS, declares that the radio equipment type 50-70-080 / 50-70-109 is in conformity with Directive 2014/53/EU (RED) and UKCA. The full text of the EU and UKCA Declaration of Conformity is available at the following web address: <https://www.watteco.com/assistance/download-center/>

## Documents / Resources

|                                                                                     |                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><a href="#">WATTECO 50-70-080 Modbus Class A LoRaWAN Master Sensor</a> [pdf] User Guide<br/>50-70-080, 50-70-109, 50-70-080 Modbus Class A LoRaWAN Master Sensor, 50-70-080, Modbus Class A LoRaWAN Master Sensor, LoRaWAN Master Sensor, Master Sensor, Sensor</p> |
|  | <p><a href="#">WATTECO 50-70-080 Modbus Class A LoRaWAN Master</a> [pdf] User Guide<br/>50-70-080 Modbus Class A LoRaWAN Master, 50-70-080, 50-70-109, Modbus Class A LoRaWAN Master, Class A LoRaWAN Master, LoRaWAN Master, Master</p>                               |

## References

- [W support.watteco.com/](https://support.watteco.com/)
- [W Download Center - WATTECO](#)
- [W Concepteur et fabricant de capteurs transmetteurs radio connectés IoT - WATTECO](#)
- [W Centre de téléchargement - WATTECO](#)