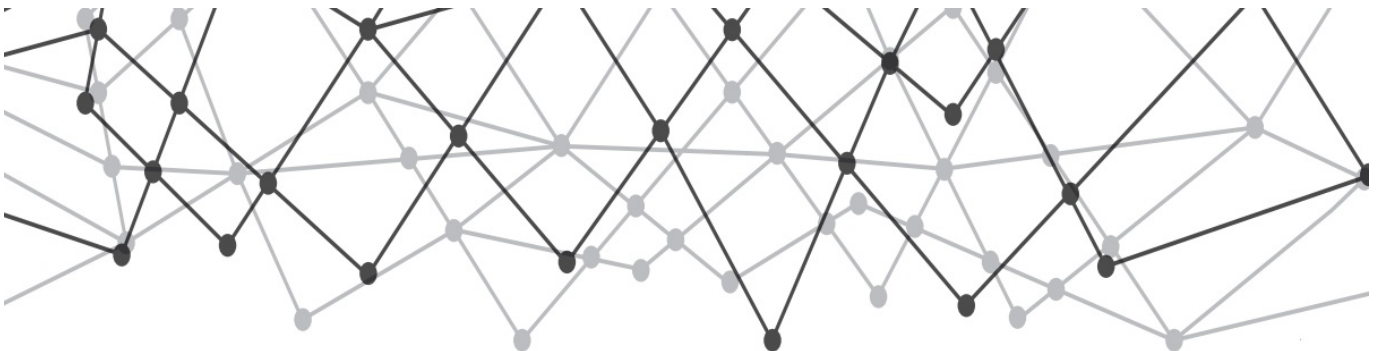




WATTECO 50-70-160 Pulse Sens'O LoRaWAN External Sensor for Remote Meter Reading User Guide

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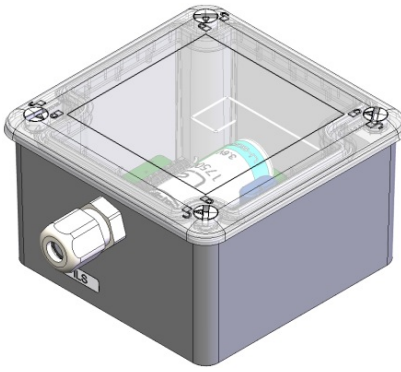
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Quick Start GUIDE



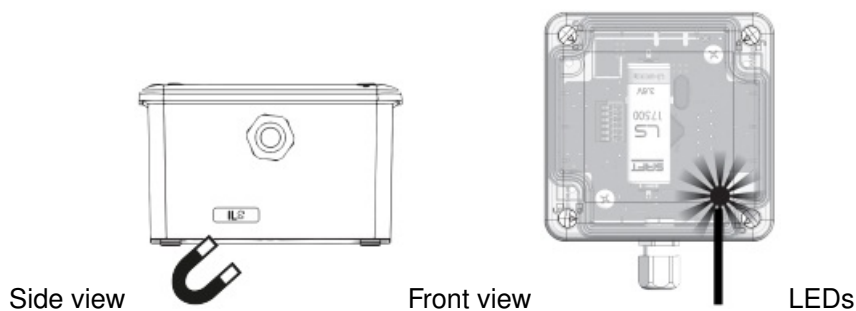
Pulse Sens'O
50-70-160
Pulse Sens'O IP68
50-70-039



In'O
50-70-016
50-70-087

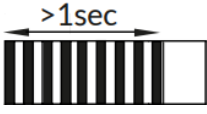
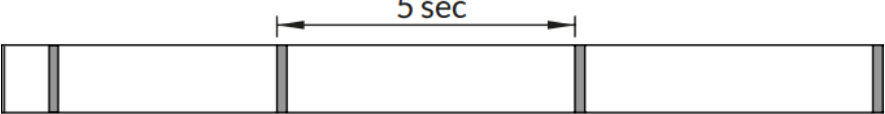
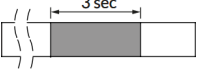
33-70-034-001

1 Start



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

ON

		
LED rouge Red LED	Green LED : Network searching	Green LED Association
	Wait	Wait

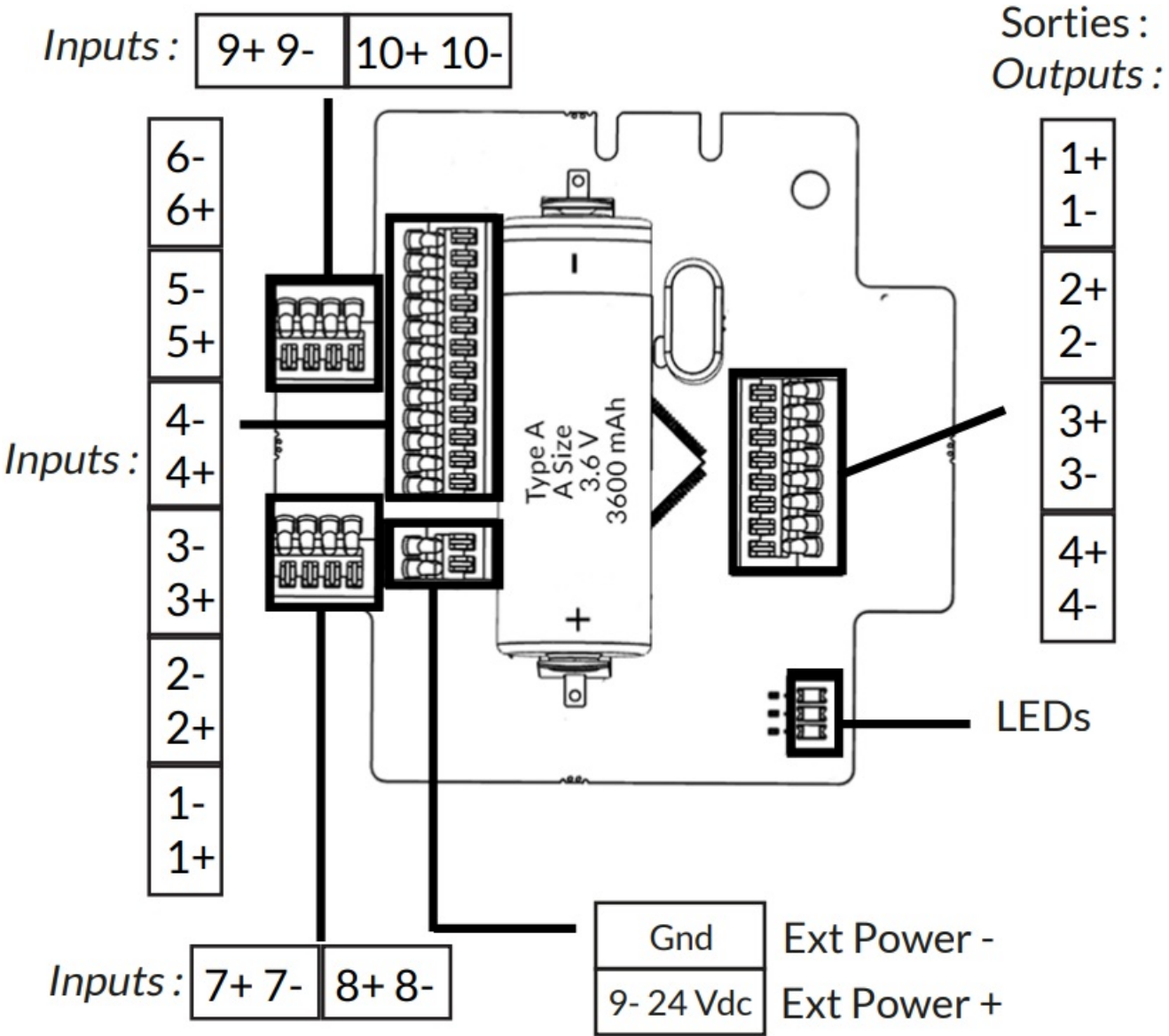
OFF

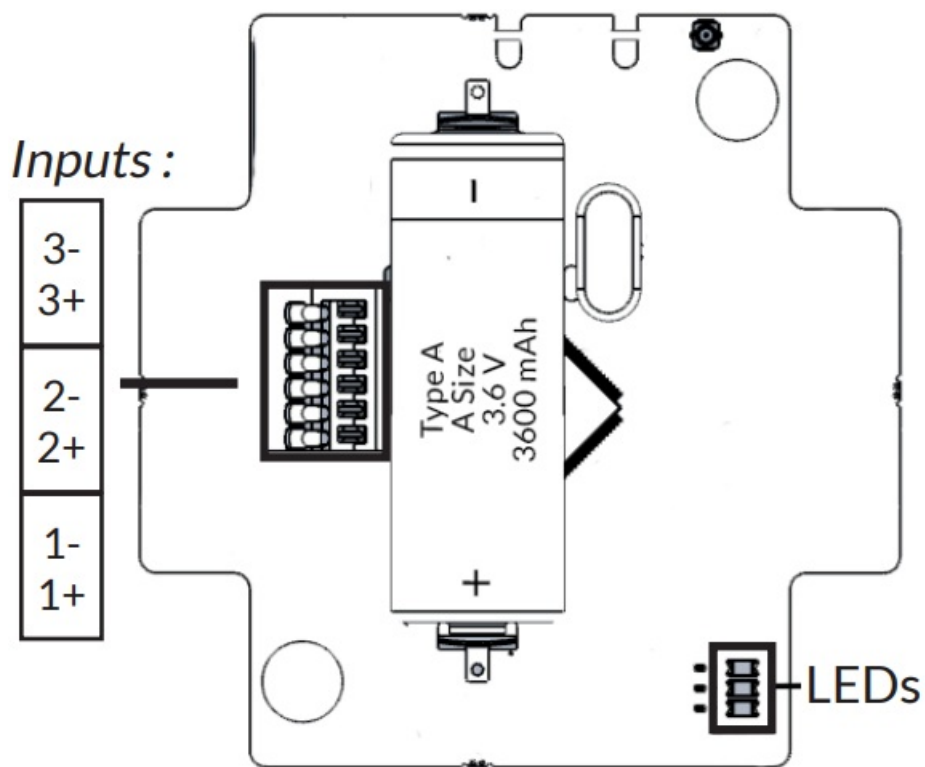
	
LED rouge Red LED	LED rouge : Extinction Red LED : Switching off
	Wait

Video : ON – OFF



<https://www.watteco.fr/assistance/tutoriels-video/>





Pulse Sens'O IP68

Wire Colour	Green	White	Brown	Pink	Blue	Yellow
Connector	Input 1+	Input 1-	Input 2+	Input 2-	Input 3+	Input 3-

Input

Characteristics of the 3 inputs:

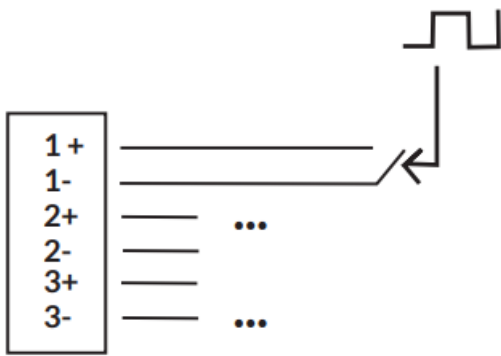
- Impedance: $1\text{M}\Omega$
- Tension : 0-30Vdc
- Delivered current: $3.5\text{ }\mu\text{A}$
- Signal frequency max: 0-100 Hz

Wiring :

- Depending on the type of output

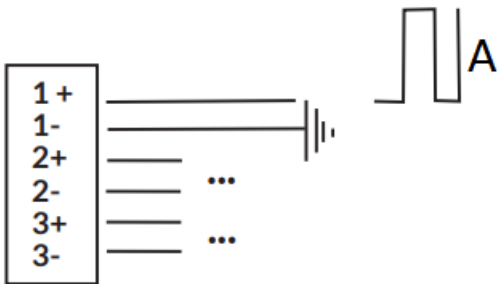
Isolated dry contact output

F<100Hz



Signal output

$F < 100\text{Hz}$



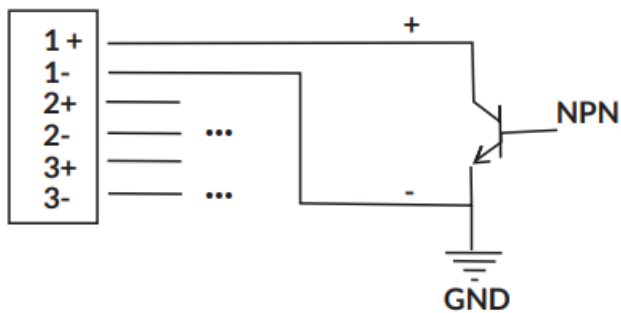
A

$\pm 2.5\text{V} < U < \pm 30\text{V}$

$\pm 0\text{V} < U < \pm 0.8\text{V}$

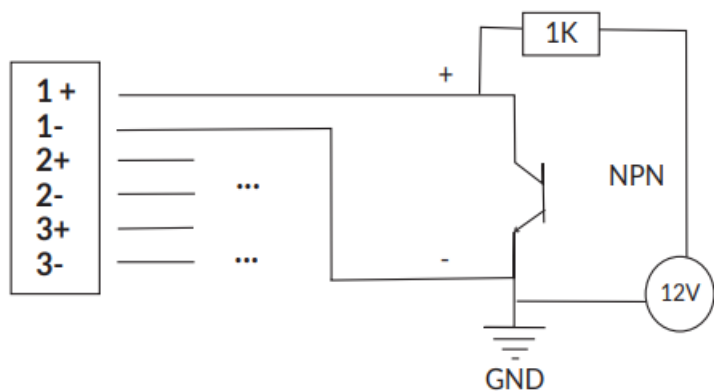
NPN open collector output

$F < 100\text{Hz}$

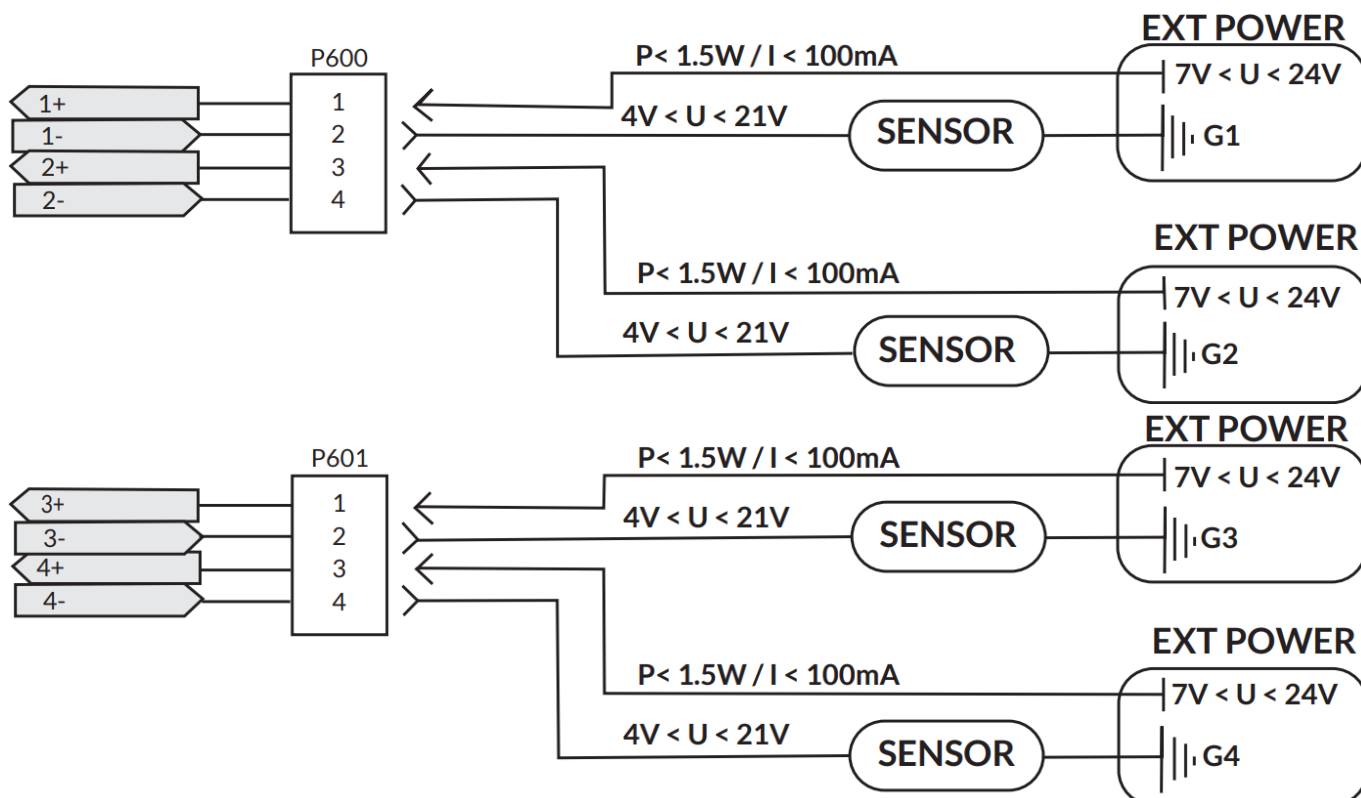


Compatible with 3V voltage and a $3\mu\text{A}$ current.

Others, need to connect a compatible external power supply and a resistor to limit the current.

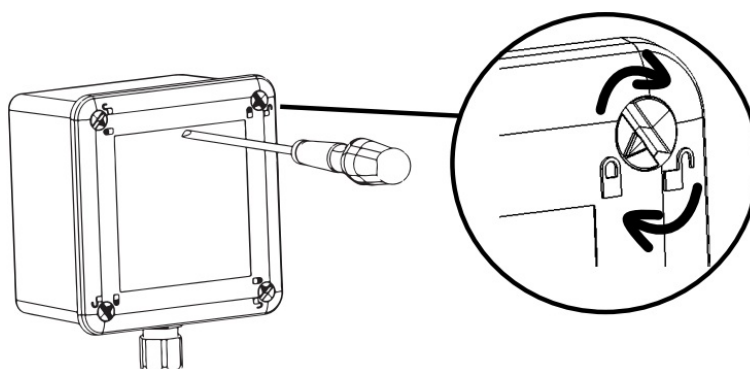


Output

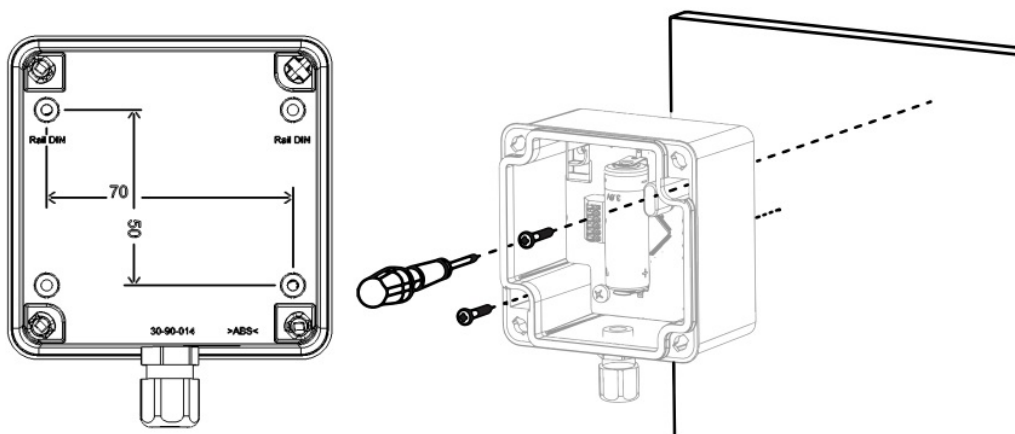


3 Setting up

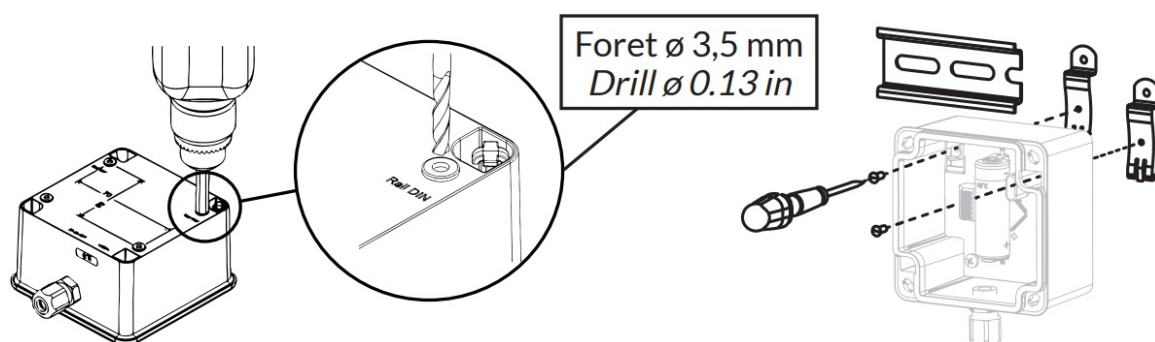
Opening / Closure



Wall mounting

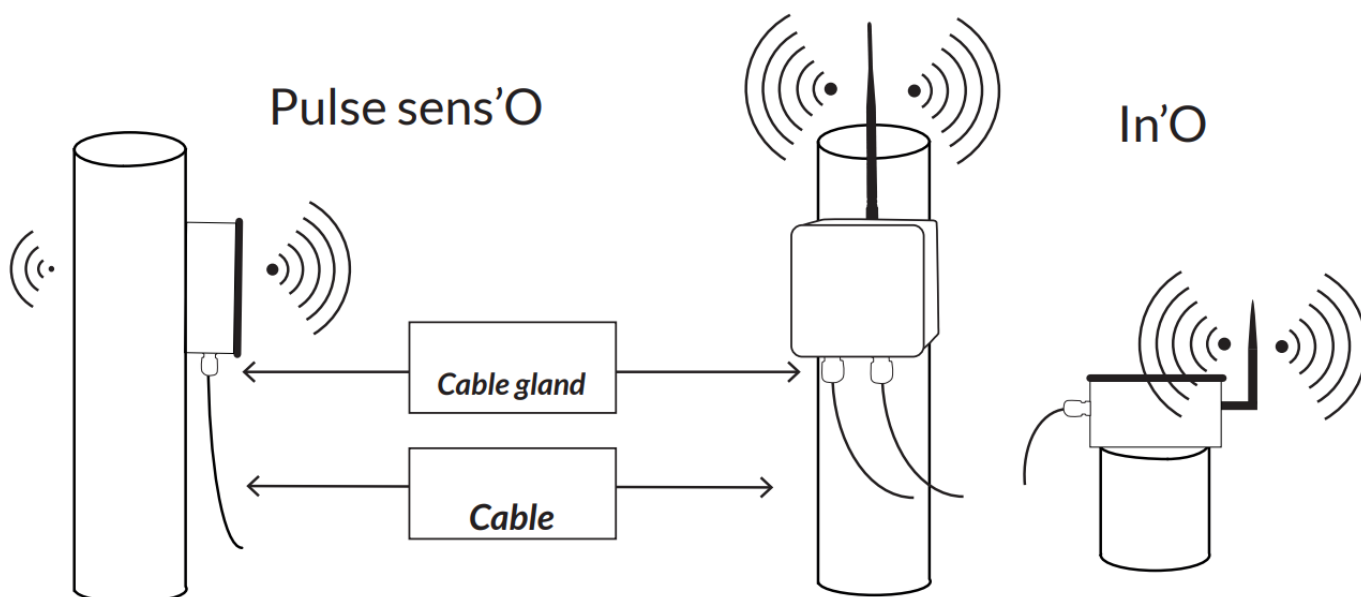


DIN



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

4 Radio propagation



5 Characteristics

Reference	50-70-160	50-70-039	50-70-016	50-70-087
Class	A	A	A	C
Power Level	+14 dBm	+14 dBm	+14 dBm	+14 dBm
Antenna	Internal	Internal	External	External
Casing materials	ASA / PC	ASA / PC	ASA / PC	ASA / PC
IP rating	IP55	IP68	IP55	IP55



SITE SUPPORT

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

CERTIFICATIONS

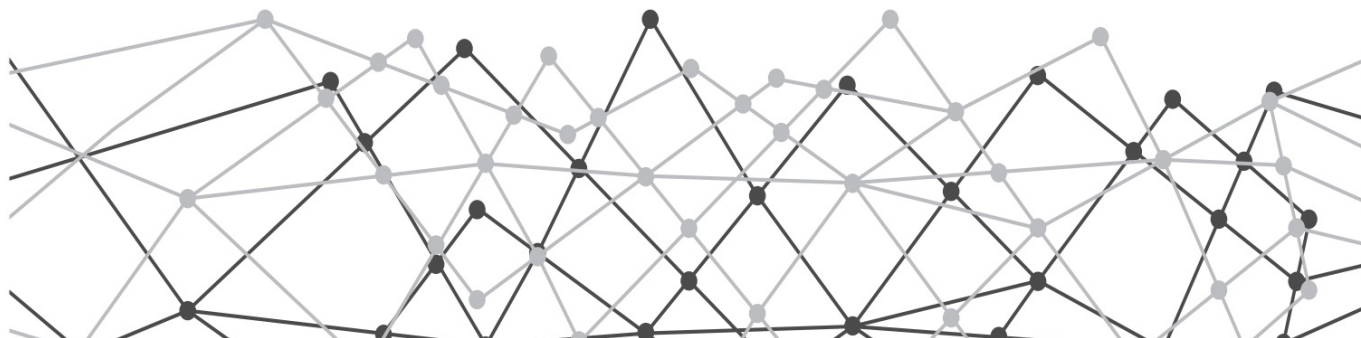
Watteco represented by JC LE BLEIS, declares that the radio equipment type 50-70-016/50-70-087/ 50-70-160/50-70-039 is in conformity with Directive 2014/53/EU (RED) and UKCA. The full text of the EU and UKCA Declaration of Conformity is available at the following web address:

<https://www.watteco.com/assistance/download-center/>



IoT device manufacturer

Thanks for choosing WATTECO devices



Documents / Resources



[WATTECO 50-70-160 Pulse Sens'O LoRaWAN External Sensor for Remote Meter Reading](#)

[pdf] User Guide

50-70-160, 50-70-039, 50-70-016, 50-70-087, 50-70-160 Pulse Sens O LoRaWAN External Sensor for Remote Meter Reading, 50-70-160, Pulse Sens O LoRaWAN External Sensor for Remote Meter Reading, Pulse Sens O LoRaWAN External Sensor, LoRaWAN External Sensor, External Sensor, Sensor

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](#)

Manuals+,