



IoT Solution for WaterManagement

SERIE SPH-AT2X-XX-X



Mechanical specifications

Dimensions	130 x 100 x 40 mm
Weight	320 g
Material	ASA, ETFE
Working temperature	-20°C to 50°C
Accessories	Quickstart guide

Connectivity

Network	GPRS / NB-IoT
Antenna	External
SIM card	Inside the device

Power specifications

Power supply	Embedded 0.5 W solar panel*
Internal battery	LiPo 5000 mAh

Certifications

Europe	CE Marking
IP rating	IP68

Sensors

Weather sensor	I ² C (Temperature, humidity)
Pressure sensor	I ² C (30 bar)
Soil sensor	I ² C (Soil temperature, VWC)
Level sensor	I ² C (10 m)

General specifications

Inputs	2 (Flowmeter or digital input)
Outputs	2 (Latch relay or latch solenoid)
Output voltage	14 V
Sensor inputs	Up to 4 (I ² C) with a HUB**
Remote configuration	Spherag Platform
Visual indicator	LED (status)
Searching	(1 flash / 1 sec)
Connecting	(1 flash / 6 sec)
Connected	(2 flash / 6 sec)

Power modes

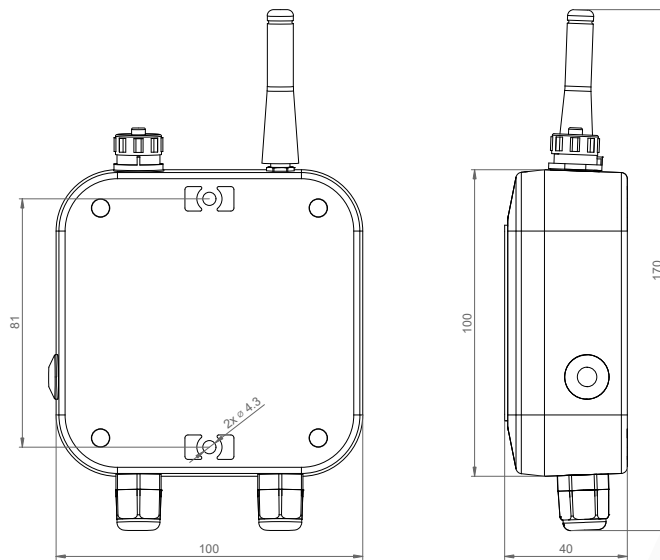
	real time	sleep
Uplink communications (sensors)	1h***	8h
Uplink communications (others)	Asynchronous	8h
Downlink communications	Asynchronous	8h

* Also available through external power supply.

** Possibility to connect up to four I²C sensors with HUB. See next page.

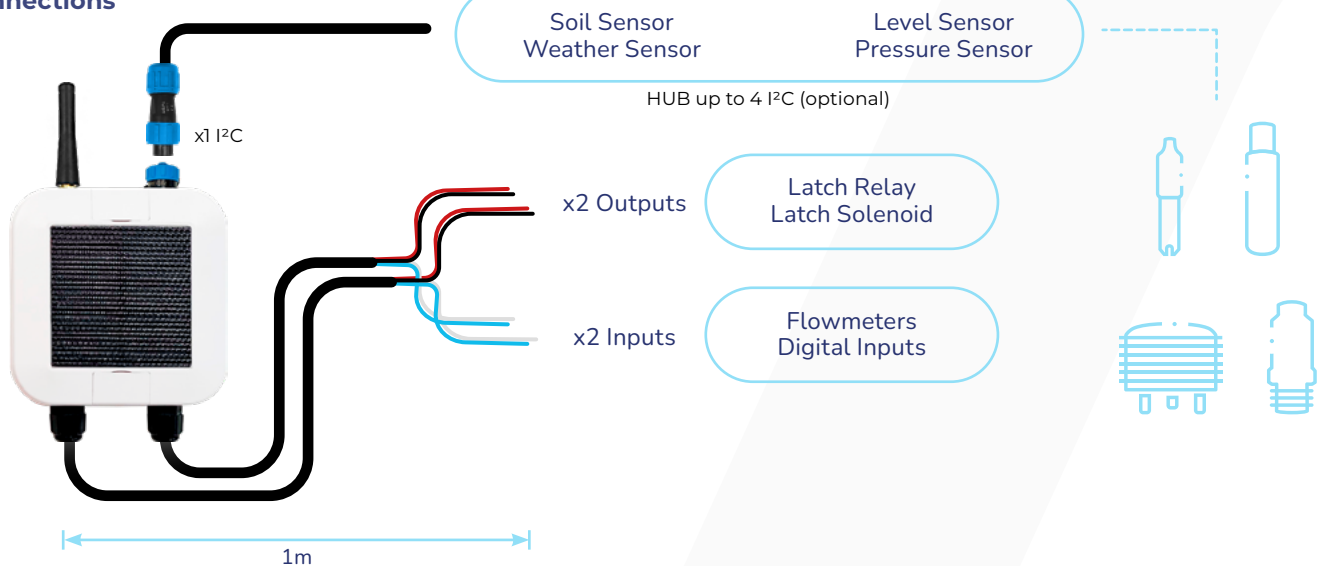
*** Please contact us for other synchronization options.

Dimensions and anchors

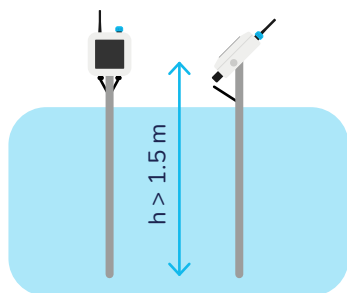


All units are in mm

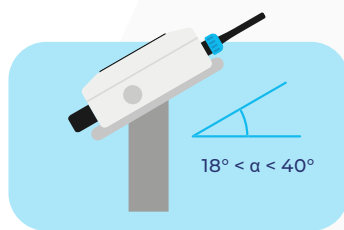
Connections



Field installation recommendations



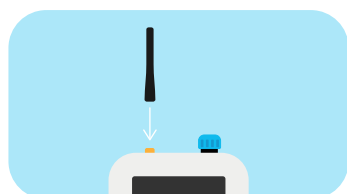
1. Screw the device firmly onto a support, 1.5 meters above the ground.



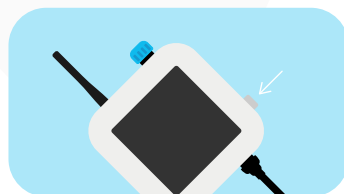
2. Place the device facing the sun. In Spain, for example, to the south at an angle of 30° .

Searching
(1 flash / 1 sec)
Connecting
(1 flash / 6 sec)
Connected
(2 flash / 6 sec)

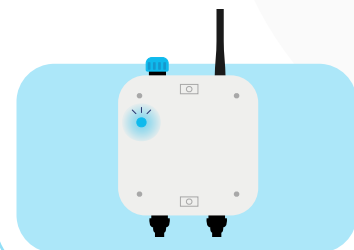
ATLAS power-on



1. Screw the antenna tightly.



2. Press the button on the side.



3. Check the LED blinking.