



## IoT Solution for WaterManagement

SERIE TH-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

### Sensors

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

### Connectivity

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

### 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 <sup>2</sup> 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 specifications

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

### Power modes

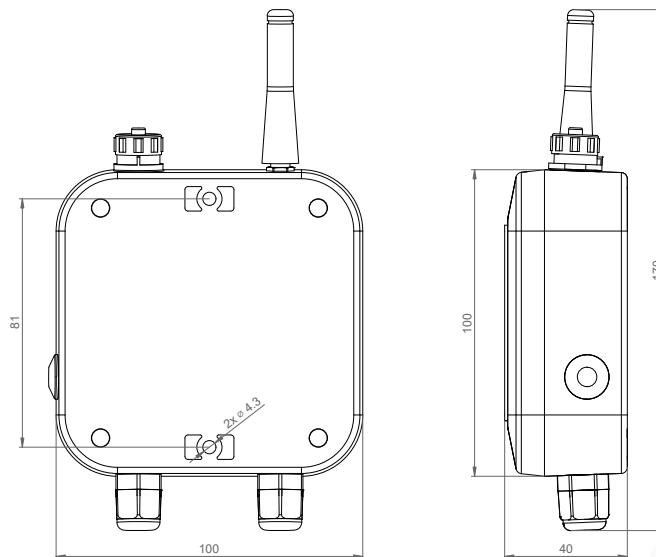
	real time	sleep
Uplink communications (sensors)	1h***	8h
Uplink communications (others)	Asynchronous	8h
Downlink communications	Asynchronous	8h

\* Also available through external power supply.

\*\* Possibility to connect up to four I<sup>2</sup>C sensors with HUB. See next page.

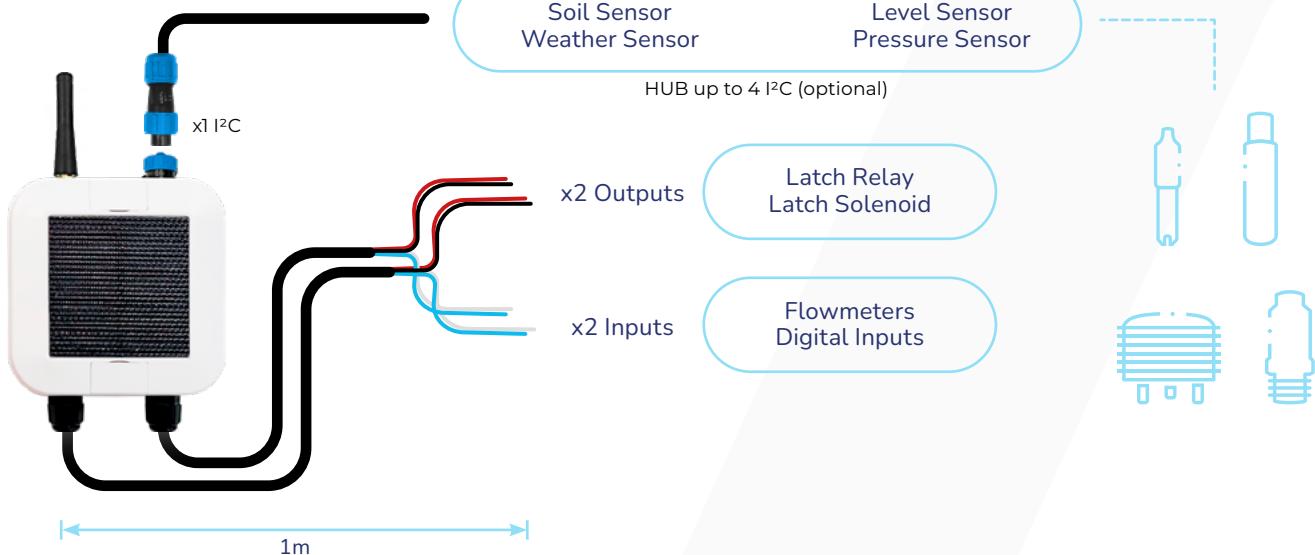
\*\*\* Please contact us for other synchronization options.

## Dimensions and anchors

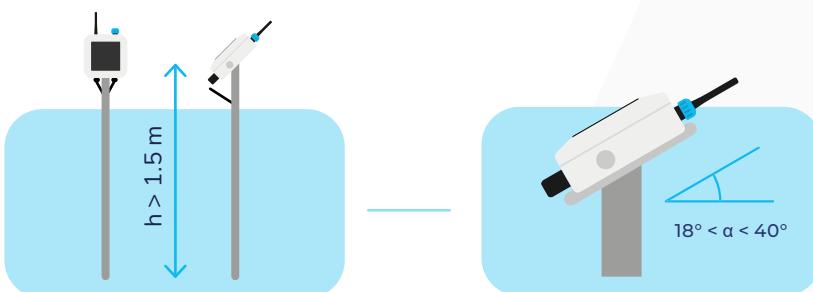


All units are in mm

## 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

