ATLAS 2

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

Sensors

Weather sensor	I²C (Temperature, humidity)
Pressure sensor	I²C (30 bar)
Soil sensor	I²C (Soil temperature, VWC)
Level sensor	I²C (10 m)

Power specifications

Inputs	2 (Flowmeter or digital input)
Outputs	2 (Latch relay or latch solenoid)
Output voltage	14 V
Sensor inputs	Up to 4 (I²C)
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

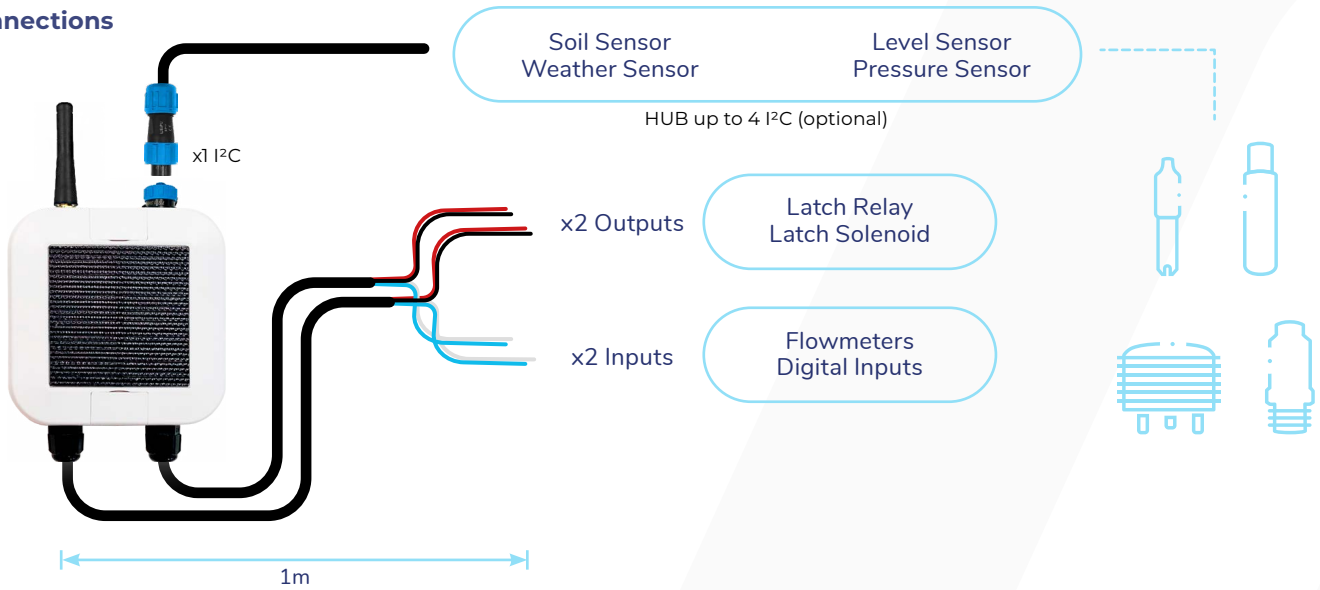* Please contact us for other synchronization options.
** Also available through external power supply.

SPHERAG V 02-24
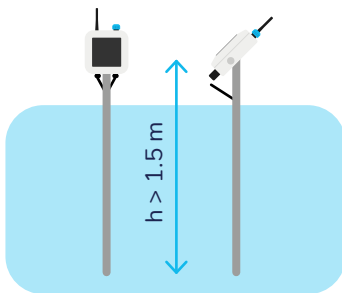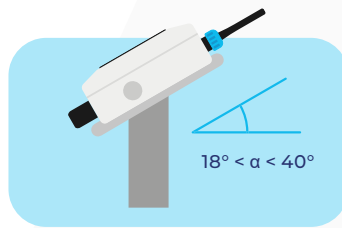
Dimensions and anchors

81

100

170

100

40

2x Ø 4.3
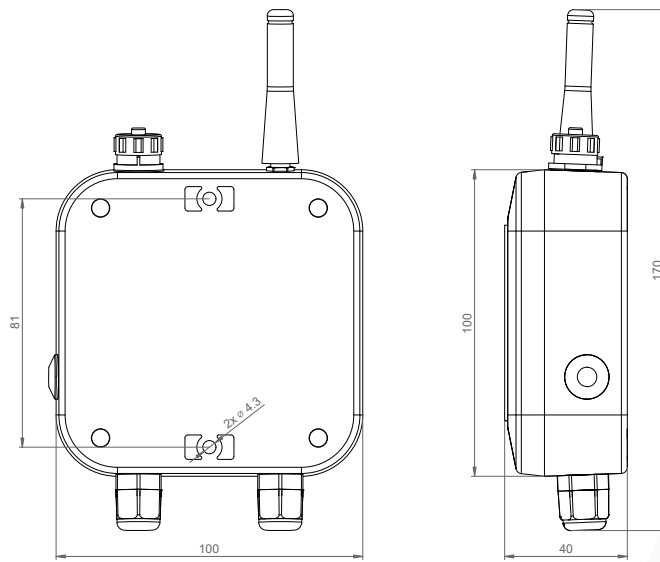
All units are in mm

Connections

Soil Sensor
Weather Sensor

Level Sensor
Pressure Sensor

HUB up to 4 I²C (optional)

x1 I²C

x2 Outputs

Latch Relay
Latch Solenoid

x2 Inputs

Flowmeters
Digital Inputs

1m

Field installation recommendations

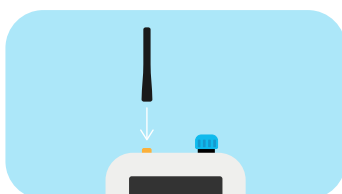h > 1.5 m

18° < α < 40°

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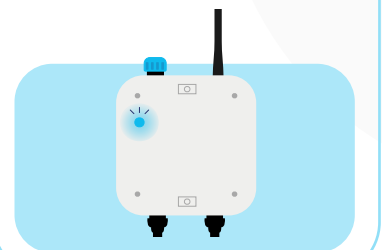(1 flash / 6 sec)
Connected
(2 flash / 6 sec)

ATLAS power-on

1. Screw the antenna tightly.

2. Press the button on the side.

3. Check the LED blinking.

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