

Aqua Xpress is a flexible product that can be expanded to accommodate different needs and security levels.

The Moisture Sensor closes the valve when it detects moisture. It is mounted where moisture is expected.

- Works with
- Aqua Xpress External Moisture Sensor
  - Aqua Xpress Valve

### MOISTURE SENSOR FUNCTION

When the Moisture Sensor detects moisture, it closes the valve and sounds the alarm with three beeps every 10 seconds. After a minute and a half, it switches to beeping once every 10 seconds.

If the moisture disappears, the alarm will beep once a minute until the button is pressed.

To open the valve again, turn off the alarm with a quick press on the button (SW1) on the unit that was tripped.

### EXTERNAL MOISTURE SENSOR FUNCTION

The Moisture Sensor can be supplemented with an External Moisture Sensor, which acts as an extension of the Moisture Sensor.

The External Moisture Sensor connects to the Moisture Sensor and can be joined for larger zones with moisture detection, but should not be joined more than five times.

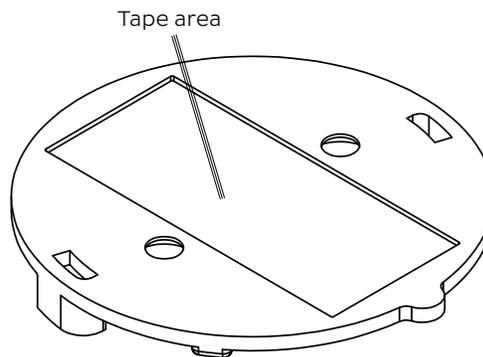


**NB:** Carry out pairing and test the moisture sensor before mounting. See page 5.

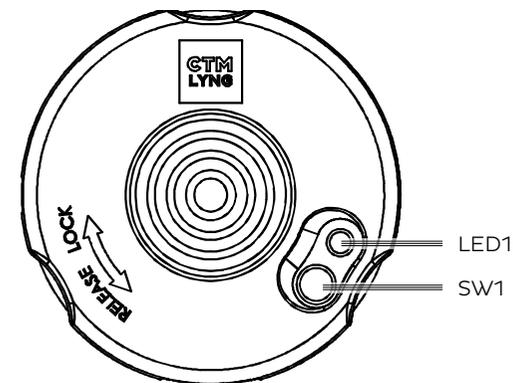
Mount the Moisture Sensor where moisture detection is wanted.

Secure the backplate with tape.

Mount with the arrow on the backplate towards the battery holder in the Moisture Sensor. Place the moisture sensor on the backplate and twist on clockwise.

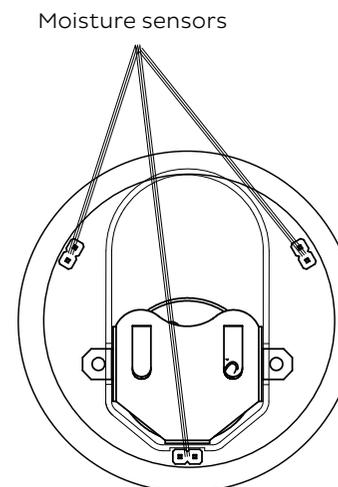


**TIPS:** Program all the units in a system before mounting. This will make it easier to test the equipment.



SW1		Programming button, Pairing, Alarm
LED1	Red	Alarm

### MOISTURE SENSOR OVERVIEW



## PAIRING

Program the Moisture Sensor to communicate with the valve driver.

### Alternative 1

1. Briefly press the button (SW1 in the valve driver). The amber LED will start to flash every 2 seconds. The valve driver is now in pairing mode for 60 seconds.
2. Hold the button on the Moisture Sensor (SW1) in and insert the battery. The Moisture Sensor will beep twice to acknowledge that the battery has been inserted. Continue to hold the button in until the Moisture Sensor beeps three times. The units are now paired.

### Alternative 2

1. Disconnect the power to the valve driver by unplugging it and plugging it back in again. The amber LED will start to flash every 2 seconds. The valve driver is now in pairing mode for 60 seconds.
2. Hold the button on the Moisture Sensor (SW1) in and insert the battery. The Moisture Sensor will beep twice to acknowledge that the battery has been inserted. Continue to hold the button in until the Moisture Sensor beeps three times. The units are now paired.
3. Disconnect the power to the valve driver once more for 5 seconds by unplugging it and plugging it back in again. This must be done within 1 minute of pairing.

## TESTING COMMUNICATION

To test communication between the Moisture Sensor and valve driver, briefly press the button in the Moisture Sensor (SW1) several times. The red LED (LED5) in the valve driver should flash to acknowledge every press of the button.

## TESTING THE MOISTURE SENSOR

1. Open the tap until it starts dripping.
2. Simulate moisture by short-circuiting the pins. The Moisture Sensor will now sound the alarm with three beeps every 10 seconds. After a minute and a half, it switches to beeping once every 10 seconds. The valve is closed.
3. To open the valve again, reset the alarm with a quick press of the button (SW1) on the Moisture Sensor that raised the alarm.

**CTM  
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3317 Art. No.: 11620 EN

### Technical data

Dimensions: HxD 24x58 mm	Battery: 1x CR2450
Frequency: 868.100 MHz	Transmitter power: +5 dBm
Battery life: Up to 4 years	

CTM Lyng AS is Norway's leading manufacturer and supplier of security products for the home, assistive technology, energy efficiency, and light and heating control for all building types under the Mkomfy®, VERN, Microsafe® and Centrol® brands. We distribute our products through electrical wholesalers. We offer everything from product development to production and distribution. Our production facility in Vanvikan is equipped with some of the most advanced machinery in Europe.

**Verkstedvegen 19, N-7125 Vanvikan**

**Tel. +47 72 83 16 11**

**Fax +47 74 85 55 49**

**For more information, visit us at  
[www.aquaxpress.no](http://www.aquaxpress.no)**

**Thank you for choosing a product from CTM Lyng AS**

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## Installation and user instructions

For Moisture Sensors manufactured from week 10 of 2017 onwards

Aqua  Xpress

**Aqua Xpress Moisture Sensor**

Part No. 5648535



A world of possibilities