

Program the motion sensor to communicate with one or more units.

**Alternative 1** (To be carried out by authorised personnel only)

1. Briefly press the button (SW1 in the socket/valve driver). The amber LED will start to flash every 2 seconds. The unit is now in pairing mode for 60 seconds.
2. Hold the button on the motion sensor (SW2) in and insert the battery. The motion sensor will beep twice to acknowledge that the battery has been inserted. Continue to hold the button in until the motion sensor beeps three times. The units are now paired.

**Alternative 2** (Can be carried out by anyone)

1. Disconnect the power to the socket/valve driver by removing the fuse circuit and putting it back again. The amber LED will start to flash every 2 seconds. The unit is now in pairing mode for 60 seconds.
2. Hold the button on the motion sensor (SW2) in and insert the battery. The motion sensor will beep twice to acknowledge that the battery has been inserted. Continue to hold the button in until the motion sensor beeps three times. The units are now paired.
3. Disconnect the power to the socket/valve driver once more by removing the fuse circuit and putting it back again. This must be done within 1 minute of pairing.

NB: If several timers are used with the same valve, it is always the longest time that counts.

## TESTING COMMUNICATION

To test communication between the motion sensor and socket/valve driver, briefly press the button in the motion sensor (SW2) several times. The radio communication LED in the socket/valve driver will flash to acknowledge every press of the button.

## TESTING THE MOTION SENSOR

**NB:** The motion sensor has a “warm-up time” of approx. 60 seconds after the batteries are inserted.

1. Set SW1 to “0” – 1 min. (see illustration on page 2).
2. Open the tap halfway.
3. Trip the motion sensor and the valve will turn the water on.
4. Leave the motion sensor's detection field and allow the turn-off time to expire.
5. The valve will close 1 minute after the last detected movement.

NB: Remember to set the desired turn-off time on the motion sensor after testing. Illustration on page 2.

# CTM LYNG

## ANNUAL END USER TEST

The system owner/user must familiarise themselves with the accompanying Installation and User Instructions at installation, and is under an obligation to test that installed equipment shuts off the water supply as required in the Norwegian Insurance Approval Board (FG) test.

Function testing must be performed at least twice a year in accordance with the Installation and User Instructions for sensors and switch panels.

## Technical data

**Dimensions:**  
HxWxD  
112x66x46 mm

**Battery life:**  
Up to 4 years

**Warm-up time:**  
60 seconds

**Battery:**  
2xAAA/LR03

**Detection:**  
110°, 15x15 m

**RF:**  
868.100 MHz +5 dBm  
Compatible with  
“v2” equipment, see page 2

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®, mTouch®, Microsafe® and Centrol® brands.

We distribute our products through 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.

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

# CTM LYNG

## Installation and User instructions

### Motion Sensor, wireless

No. 5648531 / 6251607



The Motion Sensor is a security product from CTM Lyng AS.

The motion sensor ensures that the whole dwelling, individual rooms and relevant appliances are only supplied with water when needed. It can control the power supply to paired sockets.

**Compatible with**

- All Mstikk sockets
- Aqua Xpress valve driver

The system is flexible, and can be expanded to accommodate different needs and security levels.

**The installation should be tested at least once a year, see TESTING THE INSTALLATION, page 6.**

When the battery is low, the motion sensor will beep twice and the red LED (LED1) will flash every 5 minutes in addition to flashing every 10 seconds.



Look for products labelled "v2"

**MOTION SENSOR FUNCTION**

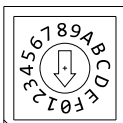
When the motion sensor detects movement, the valve turns the water on.

The adjustable turn-off time sets how long the valve will remain open after the last movement.  
1 min. – 4 hours.

The valve closes when the turn-off time expires.

If several timers are used with the same valve, it is always the longest time that counts.

Example: The timer (accessory) is set to 2 hours and is activated. Someone goes into the bathroom and this is detected by the motion sensor. It is set to 5 minutes. The valve will not close for 2 hours because of the timer, however.



SWITCH POSITION	TURN-OFF TIME
0	1 min.
1	5 min.
2	10 min.
3	15 min.
4	20 min.
5	25 min.
6	30 min.
7	40 min.
8	50 min.
9	1 hour
A	1.5 hours
B	2 hours
C	2.5 hours
D	3 hours
E	3.5 hours
F	4 hours

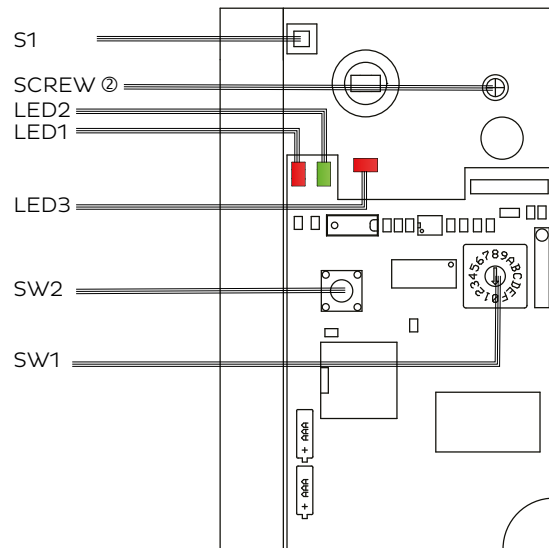
**TIP:** Switch position «D» (3 hours) for rooms with appliances to ensure appliance has water for as long as needed.

**TIP:** Program all the units in a system before mounting. (Master, Moisture Sensor, Motion Sensor). This will make it easier to test the equipment.

Mount on a wall or in a corner using the bracket provided (Figure 3).

1. Loosen the screw (①-Figure 2) on the underside of the motion sensor. NB: Do not unscrew completely.
2. Undo the screw (②-Figure 1 and 2) on the circuit board.
3. Remove the circuit board (③-Figure 2).
4. Put the circuit board back and do up the screw (②-Figure 1 and 2) to secure the circuit board to the enclosure.

Figure 1



SW1	Set turn-off time
S1	Not in use
SW2	Programming button
LED1	Red – Flashes briefly for radio communication
LED2	Green – Not in use
LED3	Red – Not in use

Figure 2

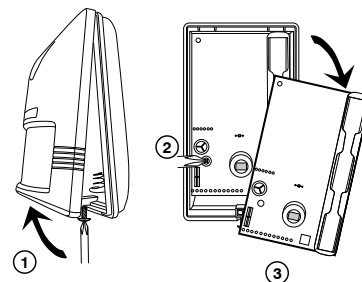
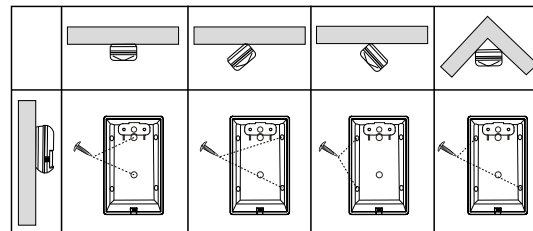
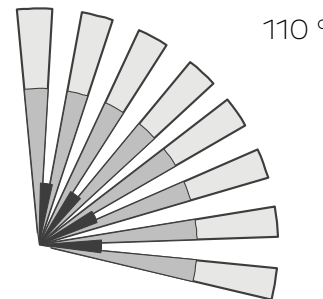


Figure 3



**DETECTION FIELD**

Top view



Side view

