

MOTION & LIGHT DETECTOR SEN04ML



Figure 1 : Motion & Light Detector in Round Metal White Coverplate
(SEN04ML/RMW)

1. Product Description

This module contains a motion detector with adjustable angle and an integrated light cell. The detector is integrated in a built-in frame with springs. A bus connection with connector (no polarity) has been provided. The motion detector has a range of approximately 7m at an angle of 110 degrees. The light cell is positioned internally.

The System Manager software allows you determine whether the output is a combination of motion AND light or only motion or only light.

Software-settings:

Triggers:

First: This is the amount of movement needed to activate the output (higher = more movement needed to activate)

Keep: Is the amount of movement to maintain the output activated. (higher = more movement needed to keep activated)

Sensitivity: How sensitive the SEN04ML is to air-flow. Sensitivity can be set on a high level (higher = more sensitive), but if e.g. outputs are activated when no-one is in the room sensitivity should be reduced (SEN04ML is reacting to airflows of heating e.g.).

With the Timers the time can be set during which the outputs will be activated (extension).

The Led (inside the SEN04ML) can be set to blink based on movement or based on Light every 2 or 5 seconds.

One can program up to 4 outputs (only Toggle). Every output must be activated by one or more actions. When

Alarm is selected this means that this specific output will be activated when the Alarm-trigger is activated.

Actions for activating the output:

Alarm: When there is a certain level of continuous movement (5 seconds).

Light: The amount of light is less than the value set. The Overrule LDR function allows you to select an output which, when activated, disables the light sensor on this SEN04ML so it will only function based on movement.

All outputs still can be controlled by other inputs (eg. switches,...). Options exist to give priority, temporary disable output, ...

THE MODULE SHOULD BE MOUNTED ON THE BEST PLACE TO GET A MAXIMUM COVERAGE OF THE 'VIEWING ANGLE' AND NOT IN ANY DIRECT LOCATION NEAR HEATING OR COOLING DEVICES.

NEVER CONNECT OR DISCONNECT MODULES WHILE THE BUS IS ENERGIZED!

2. Safety Instructions

Read the complete manual before carrying out the installation and activating the system.



WARNING

- The device must be mounted and commissioned by an authorised electrician in accordance with the country-specific regulations.
- The device may be used for permanent INTERIOR installations in dry locations within box mounts.
- The device must not be installed in box mounts together with 230V devices.
- The device must not be opened.

3. Mounting and wiring

Mount the SEN04ML into a hollow wall cavity by pushing the springs on the back together. Connect the bus cable to the back of the module.

IMPORTANT :

THE BUS MUST NEVER COME INTO CONTACT WITH THE EARTHING OR A LIVE WIRE!

ADJUST VIEWING ANGLE:

Adjust the motion detector to get the maximum coverage of the room.

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LED INDICATION ③ :

Red LED : motion + light indicator.

4. Technical Data

GENERAL SPECIFICATIONS :

- Power supply : bus connection
- Ambient temperature :
Working temp. range : 10°C to 50°C
Storage temp. range : -10°C to 60°C
- Maximum humidity : 93%, no moisture condensation
- Bus load : 10mA at nominal 13,8V
- Maximum installation altitude : 2.000m

PHYSICAL SPECIFICATIONS

- Housing : metal
- Protection Degree : IP20, EN 60529
- Dimensions :
Bticino® : 73mmx72mm
Niko® : 71mmx73mm
- Weight : Bticino® ,Niko® = 0,053kg

ELECTRICAL SAFETY

- Bus : 13,8VDC safety extra low voltage (according EN 60950 – 1 : 2006).

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- Complies with the EMC regulations. The device complies with EN 61000-4-2 and 50090-2-2.

5. Dimensions

Diameter: 80 mm

Depth: 64mm

6. Guarantee provisions

Period of guarantee : 2 years from date of delivery.

Guarantee will not be accepted if the device has been opened!

Any faulty devices should be send postage-free with a description of the defect to our central customer service office :

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