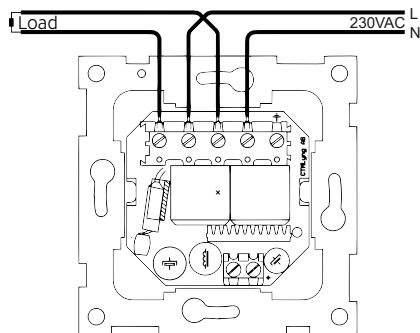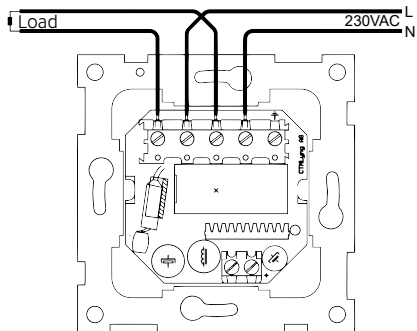## 2-pole 2300 VA

Load — 230VAC L N

1-pole 3600 VA

Load — 230VAC L N

Start-up / Warm-up time:
Once power has been connected, the load will be available for 90 sec.
LED on front panel flashes for 30 seconds, indicating that the sensor is warming up. If no motion is detected in this period (90 sec.), the load will cut out again.
If there is movement, the load will cut out after the set turn-off time.

Thermal protection
MBD will turn itself off if the temperature in the wall box exceeds 75°C. LED on front panel flashes twice every 2 seconds.
This ensures safety and protects the electronics, preventing the product from being damaged. MBD can be turned back on manually when the temperature drops to 65°C.

Troubleshooting may <u>only</u> be carried out by an authorised installer.

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Technical data

Voltage: 230 VAC +10/-20%	Load: 1/2P 3600/2300 VA
Range: Up to 12 metres	Angle of coverage: H 100° X 90°
Detection zones: 92	Time setting: 2 sec. – 2 hours
IP Code: 20	Protection: Electronic thermal protection
Dimensions: Conforms to ELKO RS16 and Schneider Exxact	

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 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, 7125 Vanvikan, Norway
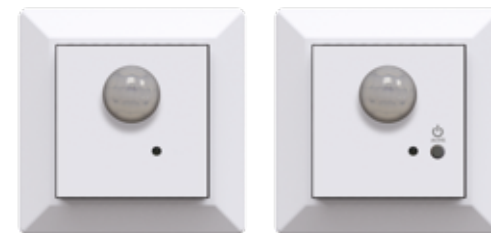
Tel: +47 72 83 16 11
Email: marked@ctmlyng.no

For more information, visit us at www.ctmlyng.com

Thank you for choosing a product from CTM Lyng AS

CTM LYNG

Installation and User Instructions

MICROSAFE®

MBD Motion Sensor

The instructions apply to the following variants:

1418254	MBD16	Polar white	3600 VA
1418272	MBD16	White	3600 VA
1418279	MBD16	Alu	3600 VA
1418280	MBD16	Black	3600 VA
1418255	MBD10	Polar white	2300 VA
1418287	MBD10	White	2300 VA
1418274	MBD-S	Polar white	3600 VA
1418293	MBD-S	White	3600 VA
1418275	MBD-SW	Polar white	2300 VA
1418296	MBD-SW	White	2300 VA

The motion sensor (MBD) is designed for automatic light control in rooms that are used sporadically, e.g. classrooms, meeting rooms, gyms, sports halls, stockrooms, laundry rooms, corridors, stores, etc., for greater convenience and to save electricity.
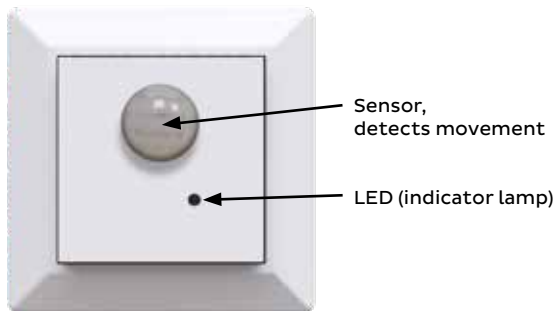
MBD has an adjustable turn-off time (how long the power/light remains on after the last detected movement) of 2 seconds to 2 hours.

The **MBD-S** version also has an On/Off/Auto button for rooms where the option of controlling the light manually as well as automatically is wanted.
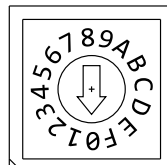
MBD can be used to advantage in combination with lighting, air extraction, heating, etc., and gives high energy savings in such contexts.

MDB offers savings of up to 70% compared with a standard switch.

PANEL OVERVIEW

Sensor, detects movement

LED (indicator lamp)

The turn-off time (how long the power/light remains on after the last detected movement) is set on the back of the motion sensor's front panel with the potentiometer marked SW1.
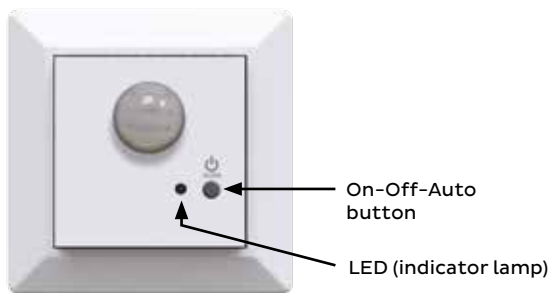

The desired turn-off time is set by selecting the relevant setting for SW1, as shown in the following table.

Switch position	Turn-off time
0	2 sec.
1	10 sec.
2	30 sec.
3	1 min.
4	2 min.
5	5 min.
6	7 min.
7	10 min.
8	12 min.
9	15 min.
A	20 min.
B	30 min.
C	40 min.
D	50 min.
E	1 hour
F	2 hours

MBD-S and MBD-SW only

This version also has a button for selecting whether the light is to be controlled by movement (auto) or turned on/off manually.

On-Off-Auto button

LED (indicator lamp)

- A short press on the button toggles between OFF and AUTO.

- Holding the button in for 3 seconds turns it constantly ON.

On-Off-Auto button	Function	LED
Short press (when off)	Sets to auto	Flashes in line with movement.
Short press (when on)	Switches off	OFF
Hold in for 3 sec.	Constantly on	Constantly on

The last setting is remembered in the event of a power failure.

NB: LED flashes for 30 seconds during warm-up.