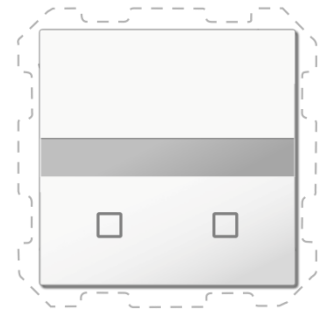# 🇨🇭 Motion Detector [SCN-BWM60(T).02]

The MDT Motion Detector is available for systems with 60 mm. With its flat lens and modern shape, it fits into any room design. The wide horizontal opening angle of 180° and the large range of up to 10m in diameter allow it to detect reliably even in narrow corridors. While the integrated temperature sensor provides the temperature value for the heating actuator, for example, the two sensor buttons can be programmed completely freely. This allows additional functions such as operating the blind/shutter or switching additional lights on/off. Likewise, the operating modes of the Motion Detector can be operated via the sensor buttons.



SCN-BWM60T.02

## 2 Light channels

Each of the two light channels can be assigned both or only one of the pyro detectors. Each channel is parameterised separately to obtain two completely independent outputs. For example, the follow-up times for day and night, the triggering and presence sensitivity as well as the locking and unlocking behaviour can be set individually.



SCN-BWM60.02

## HVAC Channel

In contrast to the light channels, the separate HVAC channel (heating, ventilation, air conditioning) has adjustable time slots for monitoring presence in the room, for example, to realise a needs-based ventilation control.

## Alarm channel

The alarm channel has a separate sensitivity setting and is used to detect motions in case of absence. Monitoring can be activated by object.

## Direction of motion

The MDT Motion Detector is able to detect the direction of a motion. For example, the light can be switched off prematurely if movement in the direction of the exit is detected.

## Integrated white LED night light

The integrated white LED night light can be switched automatically via the day/night object, at night when a defined light channel detects motion or via an external object.

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## Fully automatic, half automatic, manual mode

Parameterised as "fully automatic", the motion detector switches on when a motion is detected and switches off again after the end of the presence and set follow-up time. In the "half automatic" operating mode, the light must be switched on manually via an object and the motion detector switches off automatically after the end of the presence and the follow-up time. Regardless of the operating mode, manual operation is possible at any time via the objects "External push button short" and "External push button long".

## Sensor buttons (only SCN-BWM60T.02)

In addition to the internal functions such as locking or forced guidance, the sensor buttons on the Motion Detector can also be used to execute one- and two-button functions such as switching, dimming, blinds or sending values.

## Temperature sensor (only SCN-BWM60T.02)

When the temperature sensor is activated, the room temperature can be sent to the bus and, for example, used for heating control. The transmission behaviour of the measured value and a correction value can be parameterised.

## Brightness sensor

With the integrated brightness sensor, different switch-on thresholds can be parameterised for day and night.

## Scenes

A total of 8 scenes are available to the Motion Detector. Each scene can be assigned extensive and different functions for light channels 1 and 2.

## Logic

Four logics can be activated with the functions AND, OR and XOR. Each logic can be linked with up to two internal and up to four external logic objects. Switching commands, scenes, values or 2-bit forced guidance objects can be sent as output.

## Updateable via DCA App

If necessary, the Motion Detector can be updated via the MDT Update Tool (DCA). The download is available free of charge at www.mdt.de and www.knx.org.

## Long Frame Support

The MDT Motion Detector supports "long frames" (longer telegrams). These contain more user data per telegram, which significantly reduces the programming time of the actuators with the ETS.

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