

Illustration	Description	Type	Order-No.
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EIB/KNX Multi-Sensor-Dimmer for the daylight- and presence-dependent lighting control

IBMSD

80.14.800

Possibilities:

- Elimination of one of both above-mentioned functions via the ETS
- manual lighting control with a pushbutton panel



EIB/KNX Multi-Sensor-Dimmer Type IBMSD

Product features

With a direct voltage-free contact and the 1-10V and 0 – 10 V interface dimmable electronic ballasts, transformers and load dimmers can be switched and controlled in dependence of the daylight (constant light control) and presence detection or one of both functions.

The delay time after the end of a presence detection can be set at the Multi-Sensor-Module itself between 1 and 30 min. After this time lighting goes to 1 % of maximum and finally switches OFF after a time range of 1-255 min. with the ETS project.

The light level to be kept constant can also be preadjusted at the multi-sensor dimmer.

KNX-projection with the following functions:

- light switching ON/OFF
- light dimming
- Set light level to be kept constant in dependence of the daylight and storing
- Activation and deactivation of constant light control
- Presence detection ON/OFF
- Function heating, airconditioning, ventilation etc. ON/OFF
- Additional motion depending ON/OFF command for external functions (heating airconditioning, ventilation) etc. to be projected time dependent.

The presence detection comprises a diameter of 7m at a mounting height of the module of 3 m. For the extension of the range of detection up to 64 multi-sensor modules, type IBMSD can be combined on the KNX Bus.



4-pushbutton-EIB/KNX-Programming-panel with manual control

The programming of the light level to be kept constant and a manual dimming control can be performed with a remote 4-pushbutton-control and programming panel: (see page 4)

Automatic-Mode (storing of the light level to be kept constant):

1. When pressing the button ‚AUTOMATIC/MANUAL‘: the LED at the pushbutton lights up as soon as the automatic mode is achieved.
2. With the pushbutton ‚BRIGHTER‘ and ‚DARKER‘ the light level to be kept constant can be selected.
3. The selected light level is kept constant after pressing the pushbutton ‚STORE‘
4. If the LED at the pushbutton ‚STORE‘ does not light the dimmer control is in the manual mode and can be dimmed with ↑ and ↓.

Manual Control

After pressing the button ‚Manual/Automatic‘ the lighting is in the manual mode if the LED at the button does not light.

Pressing the pushbutton BRIGHTER (↑): Lighting switches ON and becomes brighter until the button is released.

Pressing the pushbutton DARK (↓): lighting becomes darker and finally switches OFF.

The same functions can be performed at a Touch Panel.