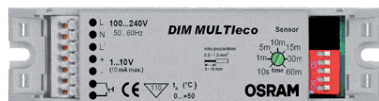


DIM MULTleco



Control unit Fitting instructions

Description

Purpose and application

The DIM MULTleco control unit controls the lighting at the workplace and in offices according to the level of daylight and the presence of persons to increase comfort and save energy.

The control unit can be installed in luminaires (e.g. floor standing luminaires) or in suspended ceilings.

Function

The control unit can be operated in two different operating modes, see also "Setting the operating mode":

Brightness control

The sensors measure the brightness in the area to be regulated and keep this to an adjustable set value by introducing artificial light according to the amount of daylight available.

The sensors also detect the presence of people.

When the level of daylight is sufficient or people are no longer present, the connected luminaires switch off after an adjustable delay period.

Brightness control, presence detection and automatic switch-on can be activated and deactivated using various modes.

Brightness reduction

If persons are present, the luminaires are dimmed to an adjustable brightness value.

If no persons are present, the brightness drops to a fixed standby value of 50%, 30% or 10% after an adjustable delay time.

Automatic switch-on and automatic switch-off during periods of prolonged absence can be activated and deactivated using various modes.



Design

The control unit is made up of the following components:

- Adjusting screw for switch-off delay time (A)
- Sensor connection (B)
- DIP switch (C)
- Pushbutton connection (D)
- Control line connection (E)
- Load contact (F) optional
- Power supply connection (G)

Installation

Safety instructions

The control unit must only be installed and put into operation by a qualified electrician. The applicable safety regulations and accident prevention regulations must be observed.



WARNING!

Exposed, live cables or damaged housing.

Danger of electric shock!

- Only work on the control unit when it is de-energised.

CAUTION!

Destruction of the control unit and other devices through incorrect mounting!

- Do not operate any other control units on the control line.
- Use the LMS CI BOX mounting kit for ceiling installation.
- Ensure that the external pushbutton is designed for the mains voltage.
- Do not wire the control and pushbutton lines with an external voltage, especially not a mains voltage of 230 V.
- Do not exceed the maximum number of electronic control gears.

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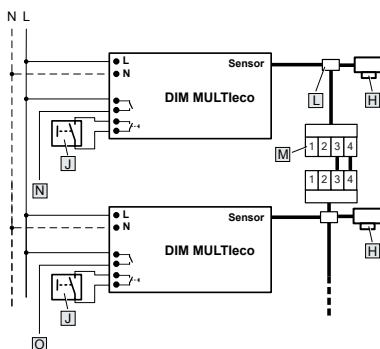
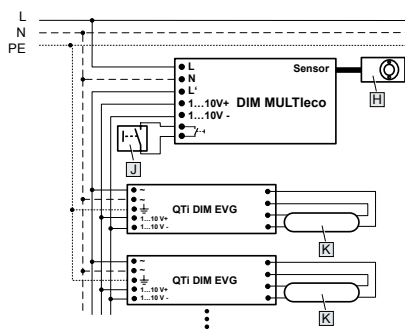
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Installation (cont.)



Connecting the control unit

Left: Individual operation with max. 2 sensors

Right: Networked operation with up to 4 DIM MULTIEco control units and central presence detection

H Sensor

J Pushbutton

K Lamp

L Y-Connector

M Y-Connector Screw

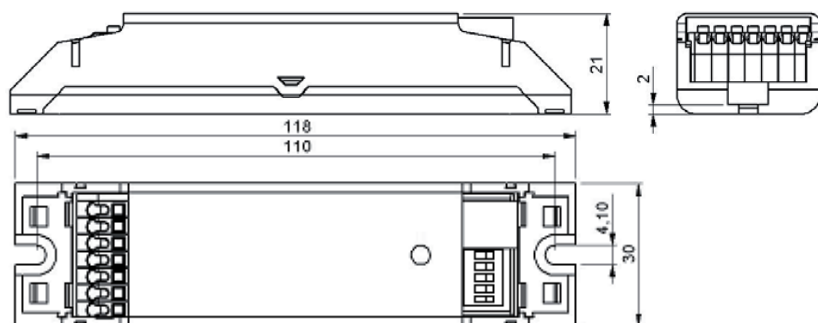
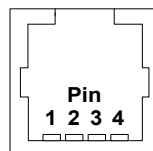
N To luminaire group 1

O To luminaire group 2

Appendix

Technical data

Operating voltage	100-240 VAC / 50-60 Hz (DC operation permissible)
Supply connection	L, N (PE not required)
Control connections	1...10 V control signal as per EN 60929 Annex E2, a maximum of 10 electronic ballasts can be connected
Pushbutton input	Potential-free make contact, max. line length 50 m
Sensor connection	Max. 2 sensors, max. line length 25 m Pin assignment: 1: Supply voltage (+ 3.3 V) 2: Light measurement 3: Motion signal 4: Ground
Max. load contact load capacity L'	5 A resistive load Max. number of ECGs: 10 (depends on the ECG type to be connected)
Fuse	External 16 A
Power consumption	Operation: 1 W Standby: < 0.5 W
Ambient temperature	0 °C ... +50 °C
Adjustable light value	20-600 lux (measured at sensor)
Protection type	IP 20
Protection class	II
Dimensions (L x W x H)	118 x 30 x 21 mm
Hole distance for mounting	110 mm



The CE requirements to EN 60928 are fulfilled. The EMC requirements to EN 61547 are fulfilled.



Conformity with the relevant EU directives is confirmed by the CE symbol.