COLLEGE RHEIN-MAIN, WIESBADEN - GERMANY

webref. SV2007CD12

EMD

MULTIDETECTION

ETAP's EMD sensors combine several sensors in a single compact housing.
The analogue version features a motion detector and light sensor and dims the lighting by 25% when no one is present. Daylight-dependent dimming can be switched on or off. By adding the Switchbox to the analogue sensor, the EMD is able to dim the lighting even more and subsequently also switch it off to maximise energy-efficiency.
The DALI version of the EMD also features an IR receiver in addition to the motion detector and light sensor, which allows you to remotely control your lighting.

	Movement Detection	Daylight dependent detection	Push-button control	IR remote control	Switching	Dimming	Scenes
EMD analogue	X	X				25%	
EMD analogue + Switchbox	X	X	X		230V	1%	
EMD DALI + Controller	X	X	X	X	DALI	1%	4

ENERGY FRIENDLY

EMD minimises the luminaire's power consumption. Thanks to the automatic control depending on daylight and presence, unnecessary energy consumption is prevented. Parasitic energy consumption, which is the consumption of the sensor itself, is minimised: the analogue sensor can be directly supplied by the 1-10V interface of the luminaire's ballast, with the Switchbox the analogue version only consumes 0.35W. The EMD DALI uses 0.8W.

FLEXIBLE AND COMFORTABLE

With EMD in your luminaires you will be prepared for changes in the future. On analogue versions the sensor can be configured to react to the application needed at that particular time. For example, you can switch on the motion detector by itself or both motion detector and light sensor. The sensitivity of the light sensor and the delayed switch-off of the motion sensor can also be infinitely adjusted to suit your needs.
For the EMD DALI it is even easier: by means of a specific remote control you can choose several preset operating modes. For example, with the press of a button you can switch from "individual office" mode to "open-plan office" mode. Obviously here too you can configure your daylight control to suit your needs. In addition, the EMD DALI version allows to control several groups of luminaires with a single sensor and to dim the window side and inside of a room differently depending on daylight.

UM1 with EMD sensor - webref. SC022E4

EASY INSTALLATION

Just as for the ELS, the EMD is pre-configured by ETAP, so that light control immediately works correctly after installation of the luminaires. Extra wiring is not necessary.

ORDER

Ask your ETAP adviser to develop the best solution for your specific needs.
The sensor can be built into the luminaire housing on request.

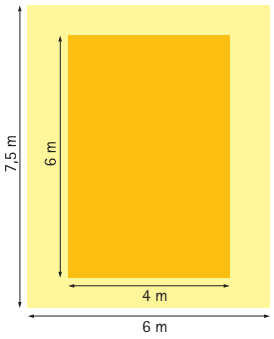
Options and accessories

REMOTE CONTROL FOR USER	
IR transmitter, wall mounting, 2 remotes	C1TU00
Manual IR remote control, 2 remotes, including wall bracket	C1TU02
Manual IR remote control, 5 remotes, including wall bracket	C1TU03

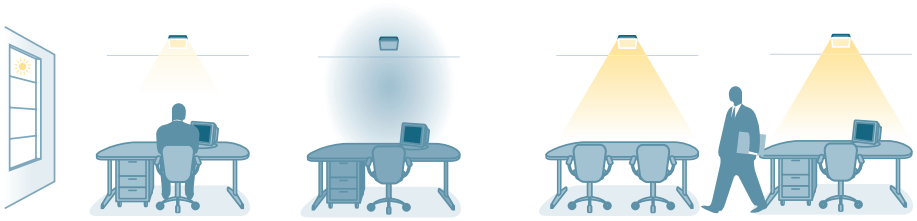
REMOTE CONTROL FOR INSTALLERS	
Basic remote control for installers	C1TC02
Advanced remote control for installers	C1TC01

EXPANSION SENSORS	
Expansion sensor for mounting within luminaire	consult ETAP
Expansion sensor for motion detection, surface-mounted	C1RM0/00

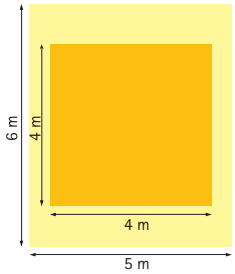
detection area minor movements
detection area major movements



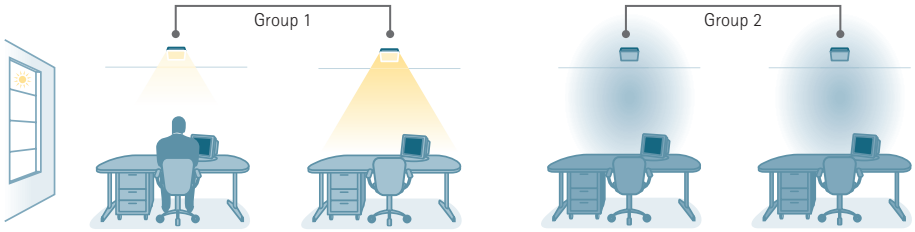
detection area analogue EMD sensor



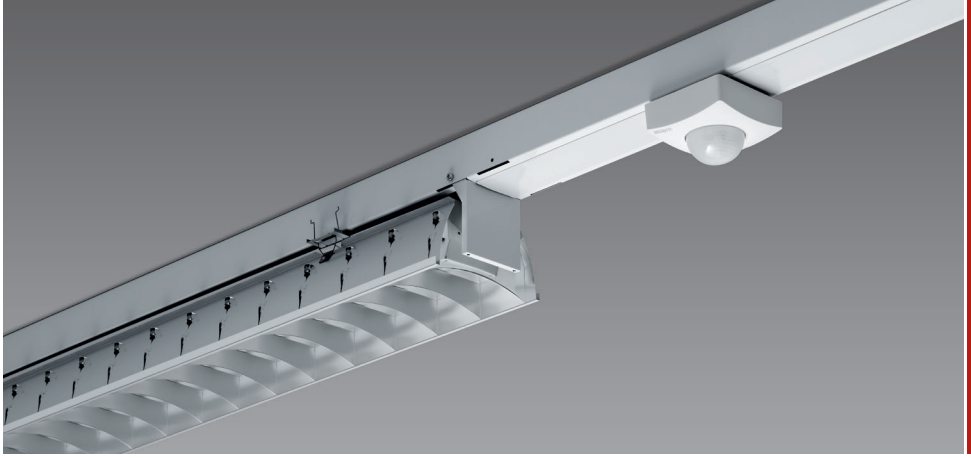
The light is controlled as a function of the incident daylight and movement.



detection area EMD sensor with DALI



The luminaires are grouped. As long as one luminaire detects any movement within the group, the whole group of luminaires remains active.



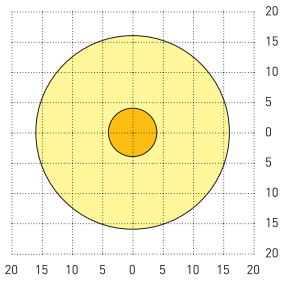
webref. SC038A4

EMD FOR CORRIDORS AND OPEN SPACES

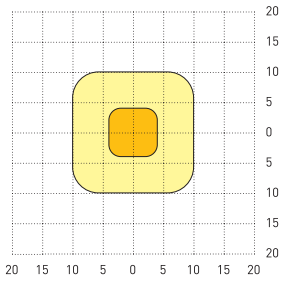
Open spaces and corridors require special motion sensors. In corridors motion must be detected across the entire length, so that sensors with elongated detection zones are required. Large, open spaces call for sensors that can also detect the slightest motion at great distances. ETAP also offers a full range of EMD sensors for this application.

OPEN SPACES

Height < 4 m



4 m < Height < 8 m



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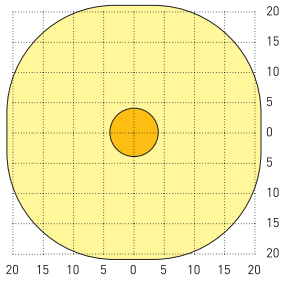
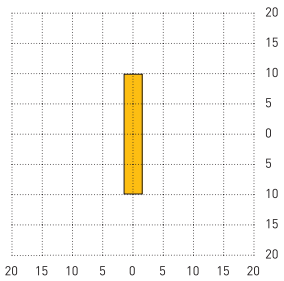
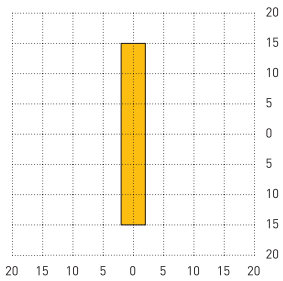


CORRIDORS

Height < 4 m



Height > 4 m



to the sensor
along the sensor