

A significant energy saving can be achieved by monitoring a room or zone for presence and ambient light. This can be detected by sensors in/on the ceiling, the wall, in luminaires or via PCS software.

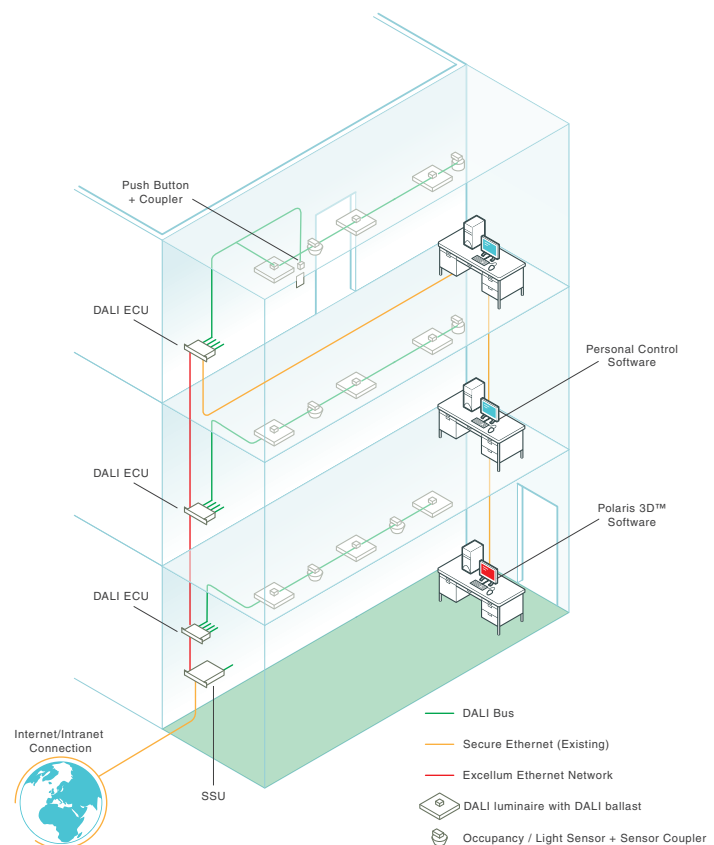


Movement detectors are typically used in corridors, changing rooms, toilets, technical rooms, conference rooms or offices, etc. They are connected to an Excellum DALI ECU via a sensor coupler and configured by the central Polaris™ software. Switching behaviour and time delay can be chosen and changed for best performance.

Depending on the application, they are recessed or surface mounted, and the detection technique to be applied is determined: PIR (Passive Infra Red), US (ultrasonic) or "dual technology" for a greater detection area by combining PIR and US.

Some detectors have a built-in light sensor, so with one device two energy saving strategies are dealt with.

Customer-specific movement detectors can be integrated upon request, depending on type.  
(Please contact us for more information.)



### The Building Energy Management System for Lighting

Excellum is a light management system that aims to improve personal lighting comfort and to achieve optimum energy saving. Combining the user-friendly 3D control software with the freely addressable switching and dimming functions, Excellum is able to create the right light in the right place at the right time with optimum quality while at the same time avoiding unnecessary energy consumption.



Multi sensor - C3RM0D



Wide view sensor - C3RM6



High View sensor - C3RM7

## Multisensor

The Multisensor is a very compact multifunctional sensor that detects presence of people and it measures the intensity of ambient light. This sensor is directly connected on the DALI line in the Excellum DALI system. It has a moveable head that can be tilted 30° to adjust the detection area. This sensor can also be surface mounted with a mounting box and it can be integrated into luminaires. There is also a ceiling version available. Please contact your ETAP consultant for more information.

## Technical specifications:

Power supply:	via DALI
Installation height:	max 5m
Detection angle:	80° for presence detecting (approximately Ø6m) 90° for light sensing
Protection type:	IP20

## Wide view sensor

The Wide view sensor detects presence of people in large areas. This sensor is surface mounted on ceilings and is connected to the Excellum DALI system by the Advanced Sensor Coupler or the Push Button coupler to send movement information to the system software.

## Technical specifications:

Power supply:	120...277V AC / 50-60 Hz
Installation height:	max 4,5m
Detection angle:	140°
Protection type:	IP20

## High view sensor

The High view sensor detects presence of people in high areas. This sensor is surface mounted on ceilings and is connected to the Excellum DALI system by the Advanced Sensor Coupler or the Push Button coupler to send movement information to the system software.

## Technical specifications:

Power supply:	120...277V AC / 50-60 Hz
Installation height:	max 13m
Detection angle:	100°
Protection type:	IP 20

## Order codes:

C3RM0D: Integrated Sensor  
 C3RM4D: Multi Sensor Ceiling - recessed  
 C3RM5D: Multi Sensor Ceiling - surface mounted  
 C3RM6: Wide View Sensor  
 C3RM7: High View Sensor  
 C3N12: Coupling piece for advanced sensors  
 C3N13: Coupling piece for push buttons.

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