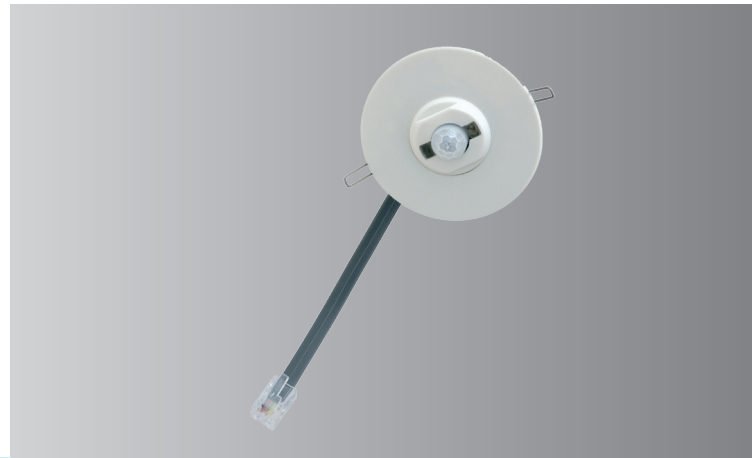# ETAP
**EXCELLENT LIGHTING, SAVING ENERGY**

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 light fixtures or via PCS software (see PCS data sheet).
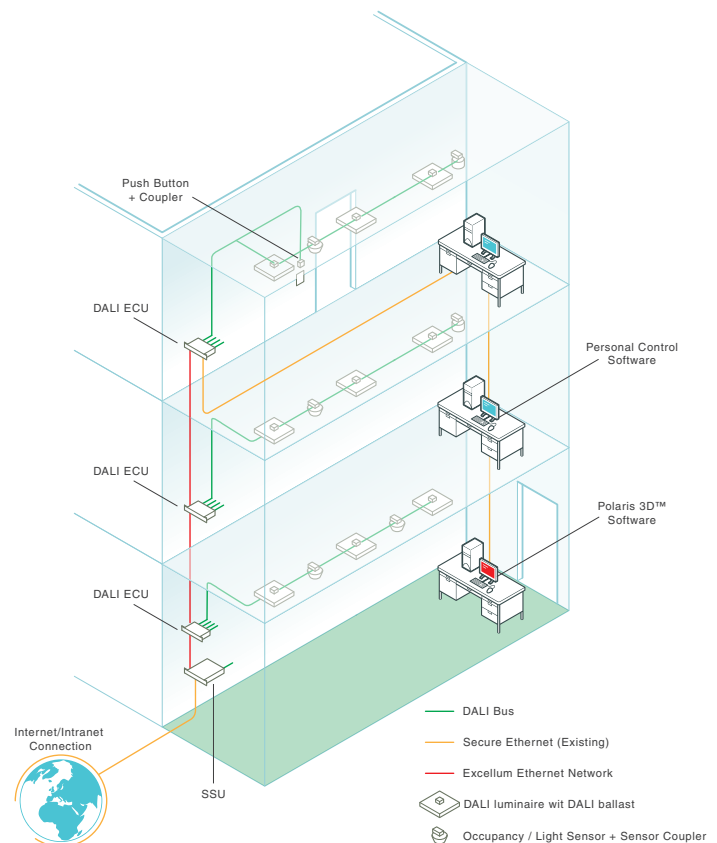


Movement detectors are typically used in corridors, changing rooms, toilets, technical rooms, conference rooms or offices, etc. They are connected to an Excellum DALI ECU via a sensor coupler and configured by the central Polaris™ software. Switching behaviour and time delay can be chosen and changed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

Depending on the application, they are recess 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, either as a threshold value switch in series with the movement detector signal, or as an analogue light sensor.

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



Push Button + Coupler

DALI ECU

DALI ECU

DALI ECU

Personal Control Software

Polaris 3D™ Software

Internet/Intranet Connection

SSU

— DALI Bus
— Secure Ethernet (Existing)
— Excellum Ethernet Network
◇ DALI luminaire wit DALI ballast
▱ Occupancy / Light Sensor + Sensor Coupler

## Excellum

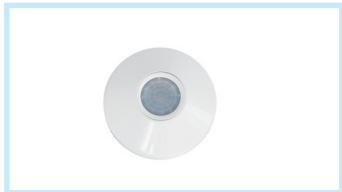**The Building Energy Management System for Lighting**

*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 - C3RM0*


*Wide view sensor - C3RM1*


*High View sensor - C3RM2*

## 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 installed in ceilings and is connected to the Excellum DALI system by the Multi Sensor Coupler. 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. Please contact us for more information.

Technical specifications:

| | |
|---|---|
| Power supply: | via the Multi Sensor Coupler |
| Installation height: | max 4m |
| 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° |
| Protecion type: | IP20 |

## High view sensor

The High view sensor motion within a detection area of 360° and switches on the connected luminaires when motion is registered. When motion is no longer registered, the luminaires switch off after an adjustable delay period.

Technical specifications:

| | |
|---|---|
| Power supply: | 120...277V AC / 50-60 Hz |
| Installation height: | max 4,5m |
| Detection angle: | 100° |
| Protection type: | IP 20 |

Order codes:
C3RM0: Multisensor
C3RM1: Wide view sensor
C3RM2: High view sensor

C3N10: Multi Sensor Coupler
C3N12: Advanced Sensor Coupler
C3N11: Push Button coupler

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