

The Excellum input/output modules are a key component of the Excellum system. These devices provide an interface between lighting components such as 1-10V dimmable ballasts, presence detectors, light sensors, push-buttons and controllers, and the ETAP GreenBus™ communication network.

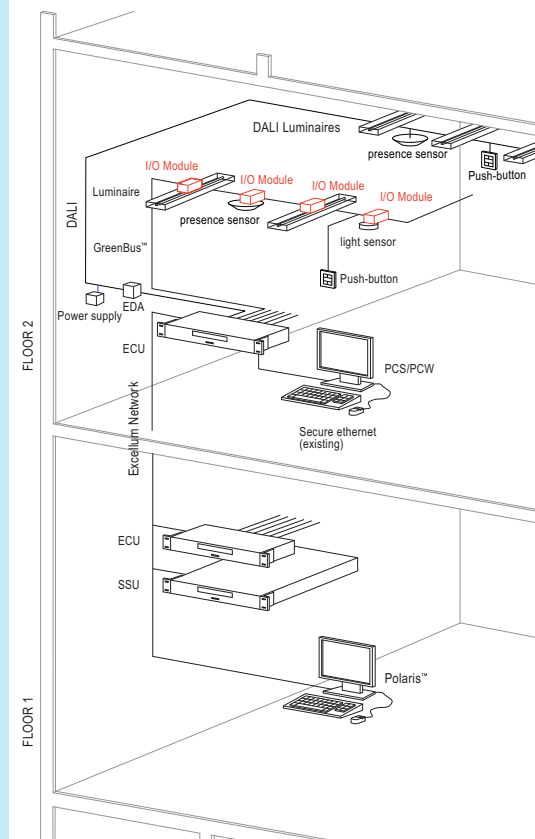


The I/O module establishes two-way communication between the Energy Control Unit (ECU) and itself. Individually addressable, the I/O Module enables each lighting component to be independently controlled and configured to best meet the needs of the building.

I/O switching and dimming modules for a 1-10V ballast can not only switch a luminaire on or off (via an integrated relay) but also deliver a dimming signal to the ballast. There is also an I/O switching module with 2 relays for independently switching 2 loads without dimming function. The I/O modules are also available with a relay capable of withstanding high inrush currents, to enable the switching or dimming of large electrical consumers. I/O sensor modules for occupancy sensor, photo sensor, push-button or controller supply line voltage to the component and relay the sensor information to the Energy Control Unit (ECU). They can also control signal LED's on the controller to provide users with feedback on their actions or with system status information.

DALI ballasts can be connected to the system via the Excellum DALI Adapter (EDA). No Excellum I/O module is required for this.

Component of this data sheet is indicated in red.

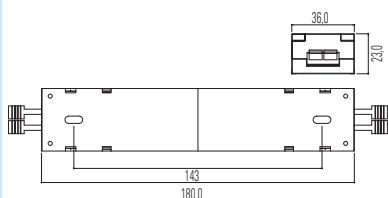


Excellum

Each component is easily integrated into the Excellum control system

Each luminaire, sensor and lighting controller is daisy-chained back to the ECU using prefabricated 'click & go'-GreenBus™ communication cabling or via DALI. ECU's typically control individual floors and are linked via an Ethernet network. A LAN connection allows Windows floor plan based control software to be operated anywhere on the network.

Dimensions in mm



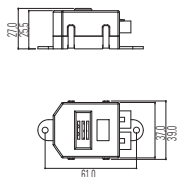
C2N00 / C2N01

Dimensions in mm



C2N00 / C2N01

Dimensions in mm



C2N10

Dimensions in mm



C2N10

Technical specifications

Power supply

24V DC SELV (via Greenbus™)

IP20

Connections suitable for rigid wire

0,5 mm² - 1,5 mm²

Relay switching power / CZN00; CZN01

230V/2A - max. 2 EVSA

Relay switching power / CZN05; CZN06

230V/6A - max. 16 EVSA

Maximum ambient temperature

50°C

Filament resistance

750°C

Order codes

I/O switching and dimming modules

I/O - 2xRJ45 in / relay and dim (1-10V) out

C2N00

I/O - 2xRJ45 in / 2x relay out

C2N01

I/O - 2xRJ45 in / relay and dim (1-10V) out

CZN05

I/O - 2xRJ45 in / 2x relay out

I/O sensor modules

Sensor I/O - 9p terminal block in / 2xRJ45 (24V) out

C2N10

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