

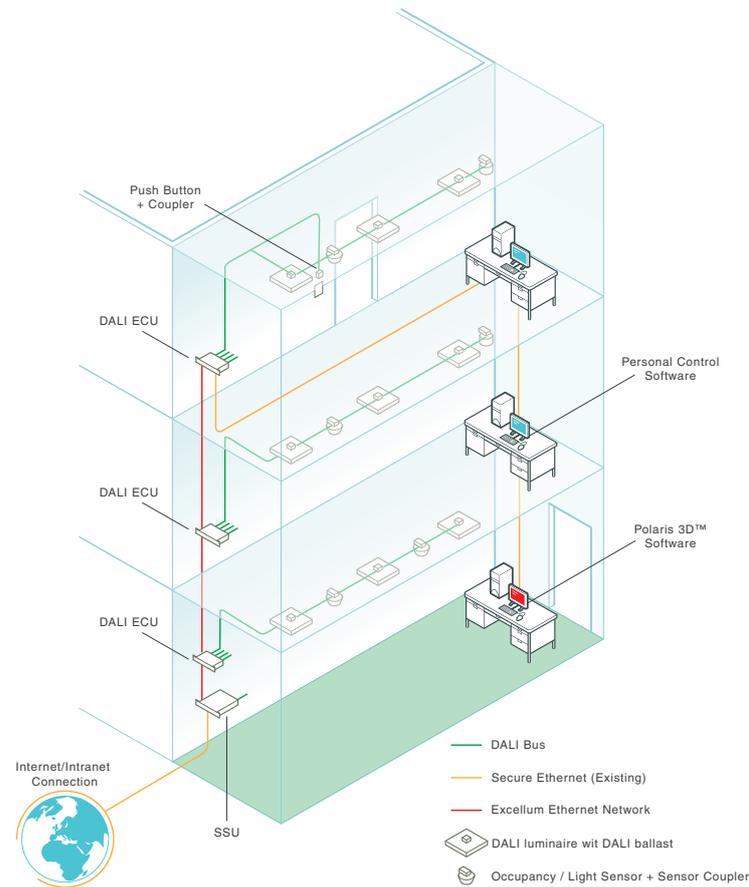
The Energy Control Unit is a DIN Rail control device that collects, processes, and distributes lighting control information to the inputs and outputs over the DALI network.



Each ECU features 4 DALI channels and typically controls up to 64 inputs + 64 outputs per channel accordingly to the current consumption of the devices used.

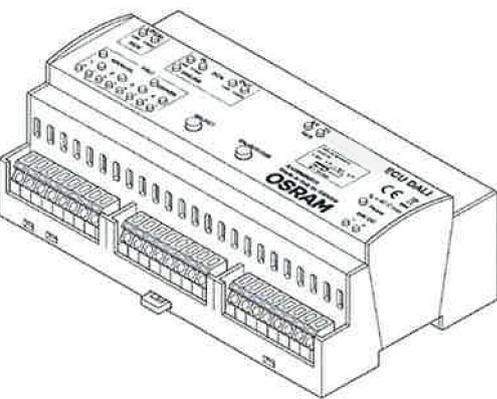
The ECU is the central intelligence point in the system. It collects signal information from photo sensors (light levels), occupancy sensors (occupancy status) and wall mounted push buttons (user interactions). It then determines appropriate brightness levels or ON/OFF status for each luminaire and zone. Input devices do not directly control light levels but rather are connected to the DALI network and provide information to the ECU. The ECU then determines what action to take based on the status signals from the input devices and the status of the complete system in the building with the helps of some very advanced software.

Each ECU has two Ethernet connections for communication with other ECU's and the server on the Excellum Network and one for communication with a facility's or tenant LAN to allow secure communication to Excellum equipment for access to the Excellum Polaris 3D™ or Personal Control Software (PCS) applications..



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.



ECU

Technical specifications

Supply voltage:	24 VDC +/- 5%
Power consumption:	Max. 22W
Ambient temperature:	0°C ... + 40°C
Protection type:	IP20 (if installed properly on electrical box) (IP00 at connectors)
Protection class	II
DALI current supply:	4x 200mA
DALI Standard:	IEC 62386
Safety:	EN60950

Connections

- 4x DALI output (2-pole)
- 2x Ethernet RJ45 Connections (IN/OUT for Excellum Network)
- 1x Ethernet RJ45 Connection (Client network)

Order code

ECU (Energy Control Unit):	C3C00
Incl. software licence Polaris™, SSUS and PCS/PCW	
Dimensions (w x h x d)	160 x 91 x 62 mm
Power supply 24V(DC) 30W:	C3S01

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