



Eelectron is an Italian company that manufactures hardware and software of electronic devices compliant with worldwide KNX and DALI standards.

For more than 25 years Eelectron is, in the national scene, a role model of technological leadership in the application of the KNX international protocol for building & home automation.

Eelectron, with its branch offices in Europe, Middle East, China, and Spain, distributes its systems in over 90 countries worldwide.

## light+building

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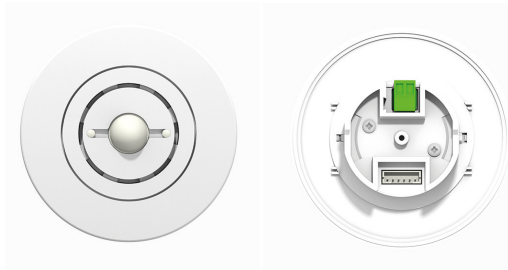
light+building  
2024

# focus on DALI-2



Lighting control with DALI: The “**Digital Addressable Lighting Interface**” (DALI) is a communication protocol for lighting applications in buildings, independent of the manufacturer and defined in the IEC 62386 standard.

It is used for communication between **lighting control devices**, such as electronic ballasts, light sensors or motion detectors, ensuring the interoperability of the devices.



**PD00A01DL2**  
DALI-2 Presence Detector **Standard**  
with Lighting Control  
B/W

**PD00A02DL2**  
DALI-2 Presence Detector **MultiSensor**  
Lighting  
Temperature  
Humidity  
Sound  
B/W

The DALI-2 presence sensors STANDARD and MULTISENSOR include a **brightness sensor** for environmental lighting control. The MULTISENSOR version also include **humidity** and **temperature** sensors with the relative control algorithms and a **sound sensor** that can be used in rooms with parts not totally visible to the infrared sensor

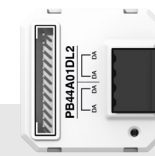
Both versions have a rear connector with **3 digital inputs** that can be connected to **buttons**. In the MULTISENSOR version input 3 can be used, alternatively, with the **CO<sub>2</sub>** Plug-in sensor or the **VOC+ eCO<sub>2</sub>** plugin



**SM03A01ACC**  
Temperature sensor  
CO2 sensor  
B/W

**SM03A02ACC**  
Temperature sensor and a  
VOC sensor to measure indoor  
air quality (**IAQ**) and CO2  
equivalent (eCO2)  
B/W

Plug-in for air quality



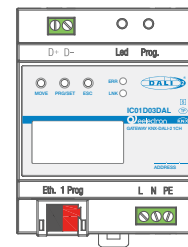
**PB40A01DL2**  
Dali 2 Push Button Interface  
4 INPUT



**PB44A01DL2**  
Dali 2 Push Button Interface  
4 INPUT / 4 LED

The pushbutton interfaces integrate **up to four conventional lighted pushbuttons** into one DALI channel, managing **different buttons states**. The PB44A01DL2 version also integrates **4 LEDs** which can be powered by connecting the interface to an auxiliary line, reducing consumption on the BUS.

## Illuminating the Future: the power of DALI and KNX in Digital Lighting Solutions



**IC01D03DAL**  
KNX DALI GATEWAY - 1 CHANNEL  
MULTI MASTER APPLICATION CONTROLLER,  
MQTT

The IC01D03DAL Gateway is a multi-master application controller for controlling electronic ballasts with DALI interface via the KNX installation bus. It supports ballasts (DALI1), devices (DALI- 2), as well as DALI-2 motion sensors and light sensors.

The additional Ethernet connection offers direct and secure communication with the gateway. When commissioning, you can choose to use the integrated web server.

From simple execution of switching and dimming functions to complex colored light controls and human-centric lighting (**HCL**), IC01D03DAL offers a full range of functionality.

- Support of KNX Secure
- Support for Occupancy sensors (part 303)
- Support for Light sensors (part 304)
- Support for Self-contained emergency (part 202)
- Support for Discharge lamps (part 203)
- Support for Low voltage halogen (part 204)
- Support for Incandescent dimmer (part 205)
- Support for Conversion to DC (1-10V) interface (part 206)
- Support for LED (part 207)
- Support for Switching (part 208)
- Support for Colour control (part 209, DT8)
  - Supports colour type xy coordinate
  - Supports colour type Tc
  - Supports colour type RGBWAF

