



Building & home evolution



ITALIAN DESIGN

WHAT'S NEW

**light+building**

autumn edition

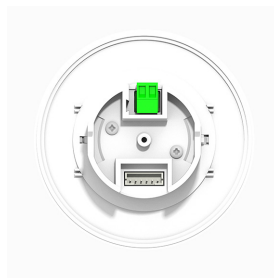
2022

# focus on DALI 2



## PD00A01DL2

Dali 2 Presence Detector Standard  
with Lighting Control  
B/W



## PD00A02DL2

Multi Sensor Dali 2  
Lighting  
Temperature - Humidity  
B/W

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.



## PB40A01DL2

Dali 2 Push Button Interface  
4 INPUT



## PB44A01DL2

Dali 2 Push Button Interface  
4 INPUT / 4 LED



LIGHTING  
CONTROL



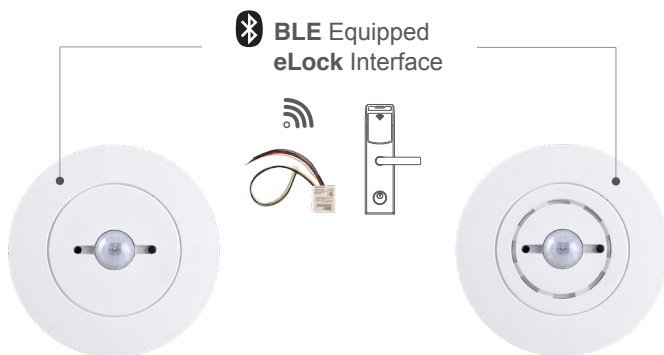
TEMPERATURE  
CONTROL



HUMIDITY  
CONTROL

# focus on **KNX**® Multi.sensor

DESIGN **PLUS**  
powered by **light+building**  
2020



## **Standard PD00E11KNX**

KNX Presence detector Standard with:

- light sensor
- 2 digital + 1 analog/digital
- B/W

## **SPACE.Sensor PD00E13KNX**

KNX Presence Detector with:

- lighting control
- temperature control
- humidity control
- sound sensor control
- utilization & occupancy
- 2 DI + 1 IN analog/digital/plugin
- B/W



**Standard PD00E11KNX-3**



**SPACE.Sensor PD00E13KNX-3**



TEMPERATURE  
CONTROL



HUMIDITY  
CONTROL



LIGHTING  
CONTROL



SOUND  
SENSOR



UTILIZATION &  
OCCUPANCY

# focus on hospitality



## ROOM ACCESS CONTROL SECURE

KNX is the **international** and **open standard** for Home & Building Automation, for over 30 years and worldwide approved.



TR00C01KNX-3



TR00C01KNX-1

### 9025 – KNX Card Reader

Customizable and backlit  
RGB LED bar  
1 Button (bell)  
DnD & MuR status



### Bridge

integrated IP interface  
KNX power supply +  
AUX 640mA

IPBA01KNX



IO42E01KNX

### Universal Inwall Module

4 Inputs (2 digital + 2 digital/  
analog)

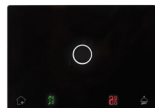
KNX Secure

## New Virtual Key



### 9025

**Trasponder Reader**  
BLE beacon equipped



### Synchronicity

**Trasponder Reader**  
BLE beacon equipped



**Universal Inwall Module**  
4 IN / 2 OUT  
BLE beacon equipped



Smart Access  
APP



Platform Services

NO additional hardware required

## eLock



eLock Module



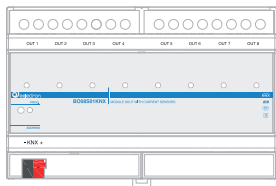
**Door Panel**  
Backlit room number  
DND & MUR Status



Intelligent, secure, connected.

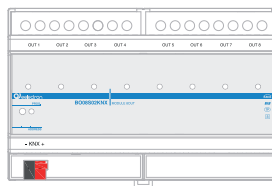
# DIN modules

## 20A — current sensors



### BO08S01KNX

Module 8 OUT 20A - 230 V AC  
with **current sensors**



### BO08S02KNX

Module 8 OUT 20A - 230 V AC

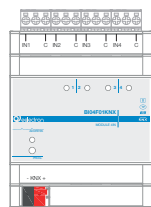
The devices **BO08S01KNX** and **BO08S02KNX** are DIN actuators with 8 relay outputs of **20A** - 230 V AC for controlling lights or generic loads. The outputs can be configured in different ways:

- Every single output can be configured independently to control lights or generic loads for a total of 8 outputs
- It is possible to combine groups of relays (up to 8) for special functions with the interlocking logic

Moreover, **8 logic blocks** are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators.

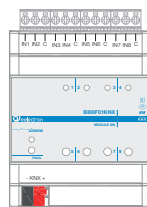
The **BO08S01KNX** device has an integrated "**current sensing**" function which allows to measure the current of each relay output (with the "true RMS" method). Two current thresholds can be set; when the value of the first threshold is exceeded, a warning function will be activated; when the second (higher) threshold value is exceeded, the alarm function which provides for the opening of the relay is activated.

## digital inputs



### BI04F01KNX

Din Module 4 Digital Inputs



### BI08F01KNX

Din Module 8 Digital Inputs

4 Inputs always programmable as:

- Digital inputs as long or short distance, **tamper detection**
- Analog for **NTC sensors**, including 9025 probe
- 2 inputs **Smart probe compatibility** (T + CO<sub>2</sub> or VOC)

Small size form factor (**4 DIN modules**)

4 complete **thermostats**

KNX Bus powered

**Removable Terminals**

Capable built-in **Logic module**

**Heartbeat** function

# Surveillance module



## LM00B01KNX

Surveillance Module with devices online/offline detection capability

**256 surveillance** blocks are available by which 3 basic functions can be activated individually or in different combinations: Alive, Alarm and Warning.

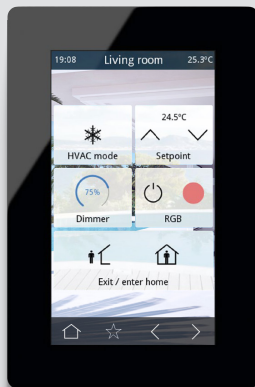
It is possible to install two **LM00B01KNX** logic modules on the same BUS line to increase even further the level of security on the line by configuring them as primary and secondary. When the primary device goes out of service, the secondary takes over the control of the line; when the operation of the primary device resumes, the secondary returns to the control status of the primary device only.

Moreover, **16 logic blocks** are available to implement simple expressions with logical or threshold operator or complex expressions with algebraic and conditional operators; It is possible to use predefined algorithms as proportional controls of temperature and humidity or dew point calculation.

# KNX capacitive touch panels

4.3" , 7" e 10.1"

Capacitive touch panels that combine an intuitive, user-friendly visualisation with a wide array of advanced functions and features, IP connectivity for remote access, and seamless integration with door phone systems. Available in white or black GLASS finishes, supports surface and flush mounting, in portrait or landscape mode.



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- Weekly time schedules
- User-editable scenes
- Logic and arithmetic functions
- Alarm monitoring with event log
- Presence simulation with day and night schedules
- Event notifications via push, e-mail, or GSM(\*)
- Independent thermostats with P-I control and separate 2-stage heating and cooling
- 4 multifunction inputs
- Built-in temperature sensor
- Real-time clock
- Ultra-low power consumption
- Integrated KNX bus coupling unit (TP1)
- IP connectivity for remote access, and seamless integration with door phone systems.
- IPS display
- Remote control
- Glass / plastic, white and black finishes

\*Requires GSM expansion module



4.3"	TP43I01KNX-GL-1	4.3" KNX capacitive touch panel - Glass - White
	TP43I01KNX-GL-3	4.3" KNX capacitive touch panel - Glass - Black
	TP43I11KNX-GL-1	4.3" KNX capacitive touch panel - IP connectivity - Glass - White
	TP43I11KNX-GL-3	4.3" KNX capacitive touch panel - IP connectivity - Glass - Black
	TP43I21KNX-GL-1	4.3" KNX capacitive touch panel - IP connectivity - - Glass - White
	TP43I21KNX-GL-3	4.3" KNX capacitive touch panel - IP connectivity - door phone - Glass - Black
7"	TP70I12KNX-GL-1	7" capacitive touch panel with IP connectivity and door phone function - Glass - White
	TP70I12KNX-GL-3	7" capacitive touch panel with IP connectivity and door phone function - Glass - Black
	TP70I12KNX-PL-1	7" capacitive touch panel with IP connectivity and door phone function - Plastic - White
	TP70I12KNX-PL-3	7" capacitive touch panel with IP connectivity and door phone function - Plastic - Black
10.1"	TP10I12KNX-GL-1	10.1" capacitive touch panel with IPS display, IP connectivity and door phone function - Glass - White
	TP10I12KNX-GL-3	10.1" capacitive touch panel with IPS display, IP connectivity and door phone function - Glass - Black
	TP10I12KNX-PL-1	10.1" capacitive touch panel with IPS display, IP connectivity and door phone function - Plastic - White
	TP10I12KNX-PL-3	10.1" capacitive touch panel with IPS display, IP connectivity and door phone function - Plastic - Black



Eelectron S.p.A. is a Italian company that manufactures hardware and software of electronic devices compliant with worldwide KNX standards.

For more than 20 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 Asia Pacific, China, Middle East and Europe, distributes its systems in over 80 countries worldwide.

## **light+building**

autumn edition

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