

Lighting



e-Controller 1-10V

Indoor building light dimming



Energy saving of lighting spaces

The e-Controller 1-10V is a device used for light dimming at an optimum level every hour of the day on different spaces in a building. Designed to maximize sites energy consumption and save energy without reducing the comfort level, the device can also be used with multisensors for automatic light dimming like the e-Multisensor Bus PowerLine or the e-Scene pushbuttons used for light manual dimming and scene lighting control, to adapt any space to the user needs.

The mains electrical network is used by the device for data transmission with other devices.

A data transmission system is included on the device which takes the advantage of the mains wiring as a means to transmit data with other devices, without the need to plan ahead for new wiring on the installation, making it particularly suitable for facility refurbishment. Along with its easiest installation, an auto-installation mechanism is included on the device to avoid commissioning with a laptop.

Other e-Controller products are available with the following functions:

e-Controller 1 Relay Output, including one high power relay output (10Amp) for switching up to 2000W loads.

e-Controller 2 Input / 2 Output ON/OFF, including two inputs for local or remote outputs switching and two 5Amp small loads relay outputs with local or remote switching.

Lighting energy saving

Integration with multisensors

On, Off and light dimming

Remote control without new wires

BMS integration

LonWorks® networks

DATASHEET

Energy Saving

- Light level control as needed
- Individual integration with multisensors
- Switching on/off and light dimming
- Efficient dimming with 1-10V analog output

Remote Control

- Mains data transmission
- Dimming from multisensors, keypads and controllers

Integration

- LonWorks® ISO/IEC 14908 bus
- LonMark® compatible

Installation

- No new wires needed
- Multiple luminaries control with a single device

Features

- Supply Voltage 95-250Vac 50/60Hz
- Two phase contact digital inputs (2In/2Out model)
- One phase contact 10Amp relay output (1-10V and 1 Relay models)
- Two phase contact 5Amp relay outputs (2In/2Out model)
- 1-10V analog output for ballast dimming and LED driver (1-10V model)
- 10 programmable memory scenes
- Inputs status LED indicators (2In/2Out model)
- Outputs test pushbuttons and outputs status LED indicators
- e-Scene keypad and e-Multisensor auto-commissioning
- Mains data transmission (PowerLine)
- ISO/IEC 14908 LonWorks network
- External BTicino Light frame
- Integrable with LonMark® Open Systems

Product references

EC.510200-000
e-Controller Dimming 1-10V

EC.510102-000
e-Controller 1 Relay Output PC



EC.512205-000
e-Controller 2In2Out ON/OFF

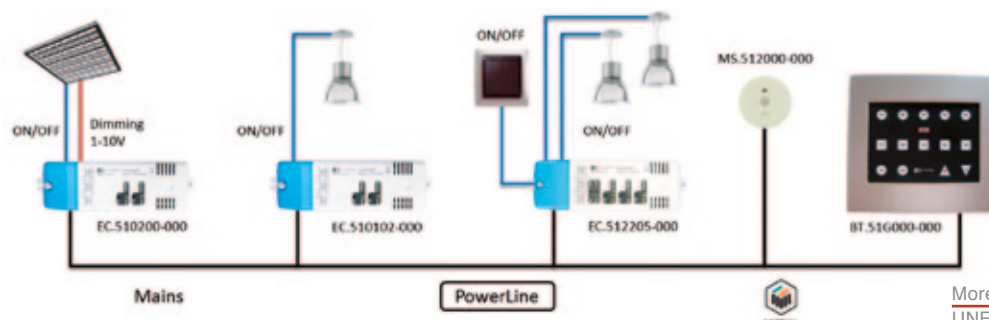


LONMARK®



e-Controller Dimming 1-10V

Control Diagram



More efficient
UNE-EN 15232

