

KNX HOME AUTOMATION MODULAR LABORATORY

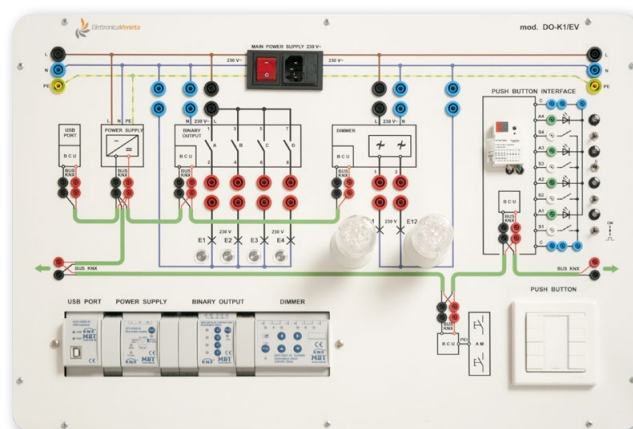
KNX LINE BASIC MODULE WITH ON/OFF AND DIMMER LIGHTING INSTALLATIONS

Mod. DO-K1/EV

INTRODUCTION

Panel of light insulating material easy to handle, with a wide, colour printed front surface where the devices are represented by their international electric symbols. All the connections are carried out via safety terminals and jumpers with diameter of 4 mm for power circuits, and via terminals and jumpers of 2 mm for the Bus Line. It also includes devices for wiring (Bus and Power), programming and setting at work home automation systems with KNX Bus.

Module optimized for its use either on table top, in horizontal/ inclined position (with proper support), and/or on a wall (wall bracket).



TRAINING PROGRAM

- Writing a project with ETS software (addressing and parameterizing the devices)
- Carrying out the electrical connections for the Bus line (cables and jumpers with plugs of 2 mm)
- Carrying out the electrical connections of power circuits with voltage of 230 Vac (cables and jumpers with safety plugs of 4 mm)
- Downloading the application software into the devices; physical addressing of devices; downloading the application programme into the devices
- Setting the installation at work and testing it

Practical exercises:

- Study and application of button control devices
- Study and application of interface devices for contacts
- Study and application of On/Off actuators
- Study and application of dimmer actuators
- ON/OFF commands and individual switching on of lighting
- ON/OFF command and General control of lighting
- Commands and individual controls of lighting with dimmer for traditional lamps
- Command and General control of lighting with dimmer for traditional lamps
- Programming Bit and Byte Scenarios

TECHNICAL SPECIFICATIONS

- 1 Main switch of the line of 230 V~ and power cord with French-German standard plug, protection against overcurrents by fuse
- 1 Power supply for BUS of 320 mA, modular version on DIN rail TH35
- 1 USB port, modular version on DIN rail TH35
- 1 Control device with 8 pushbuttons and LED of state indication, recessed version provided with Bus coupler
- 1 Four-channel actuator of 230 V - 10 A on DIN rail TH35, provided with Bus coupler
- 1 Two-channel universal dimmer actuator, modular version on DIN rail TH35 provided with Bus coupler
- 1 Interface for 4 traditional contacts with 4 control switches and 4 LEDs of state indication, recessed version provided with Bus coupler
- 4 Ideograms of lights with lamps of 230 V for On/Off light sources
- 2 Lamp-sockets E14, 2 lamps E 14 230 V - 3...5 W, 2 dimmable LED lamps E14 of 230 V - 3...5 W for On/Off and Dimmer light sources

Power supply: 230 Vac 50 Hz single-phase - 1000 VA
(Other voltage and frequency on request)

Dimensions: 600 x 400 x 100 mm

Net weight: 5 kg

SUPPLIED ACCESSORIES

- 1 single-phase power cord with French-German standard plug
- 12 jumpers, 19 mm with Ø 4 mm safety plugs
- 6 jumpers, 10 mm with Ø 2 mm safety plugs
- 4 cables, 1 m with Ø 2 mm plugs (2 black and 2 red cables)

NOTE:

Setting KNX standard Bus systems at work demands the ETS software with the corresponding licence. As regards the number of devices included in the module DO-K1/EV, an ETS LITE licence can manage projects including 20 devices at the most; in the case of advanced applications (extended Bus) using more modules simultaneously in a unique project, it is necessary to have an ETS Professional licence.

ETS software is not included in the module, but it must be ordered separately.

The Basic Module DO-K1/EV also includes the power supply for the BUS Line, and the communication port for the connection to a PC.

Therefore it is essential for the integration of the other modules as it is shown in the configuration diagrams of the training solutions.

REQUIRED PERSONAL COMPUTER



SUPPLIED WITH APPLICATION HANDBOOK WITH PRACTICAL EXERCISES

