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1. USE

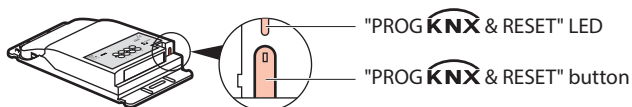
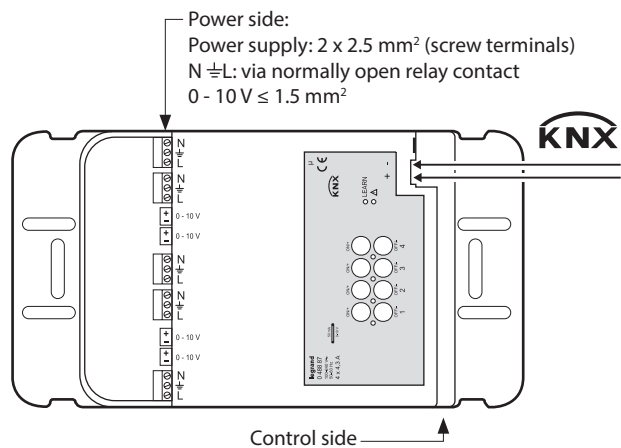
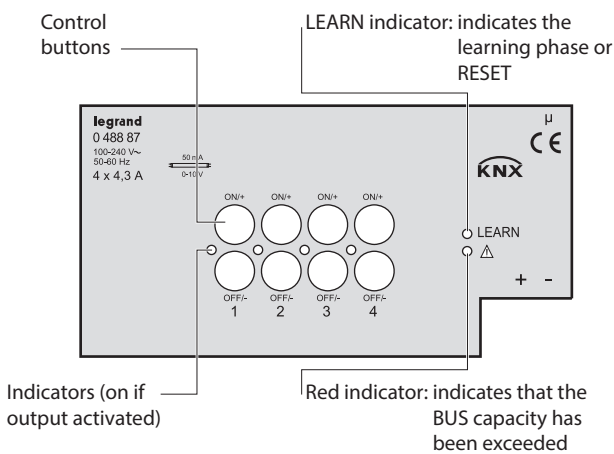
The KNX ceiling-mounted controller Cat. No. 0 488 87 is equipped with 4 outputs for controlling 1-10 V loads. It can be installed in a false ceiling or on a cable tray. The device operating parameters can be configured using ETS (Engineering Tool Software). The following functions are available:

- ON/OFF
- Dimming
- Scene creation

2. TECHNICAL CHARACTERISTICS

2. TECHNICAL CHARACTERISTICS (continued)

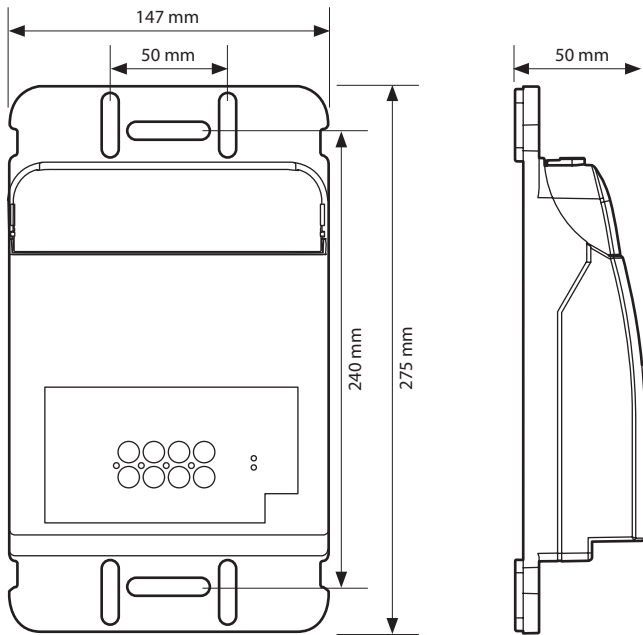
- Voltage: 100-240 V~
- Max. current: 40 mA per 0-10 V line
- No-load power consumption: 4 W
- Consumption on BUS/KNX: 5 mA
- Frequency: 50/60 Hz
- Operating temperature: -5 °C to +45 °C
- Storage temperature: -20 °C to +70 °C
- Weight: 580 g
- Impact resistance: IK04
- Penetration by solid and liquid matter: IP20



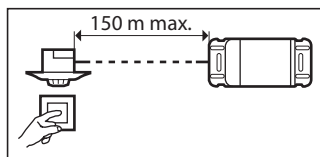
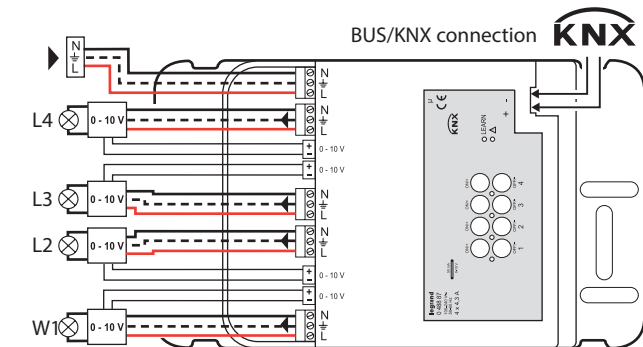
- 1 - Fluorescent tubes
- 2 - Halogen bulb
- 3 - Compact fluorescent bulb
- 4 - 1 - 10 V ballast

230 V~	4 x 1000 VA	4 x 1000 VA	4 x 1000 W
110 V~	4 x 500 VA	4 x 500 VA	4 x 500 W
	4 x 4.3 A	4 x 4.3 A	4 x 4.3 A

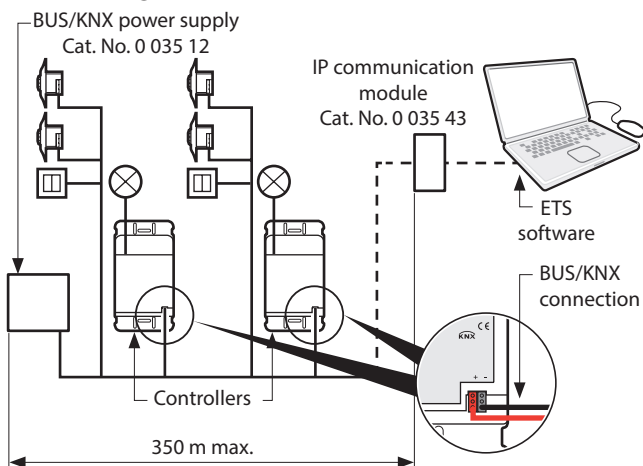
3. DIMENSIONS



4. CONNECTION



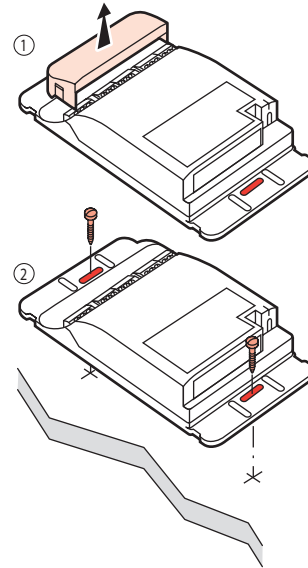
Schematic diagram



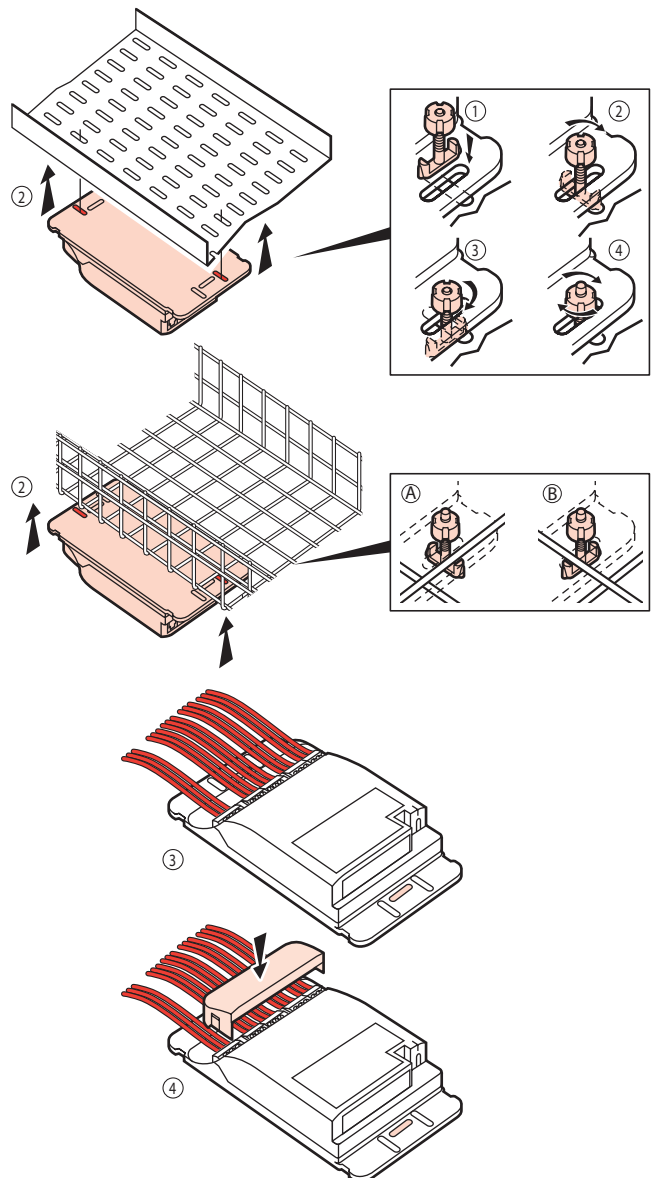
5. INSTALLATION

Device can be installed in a false ceiling or on a suitable cable tray

Mounting



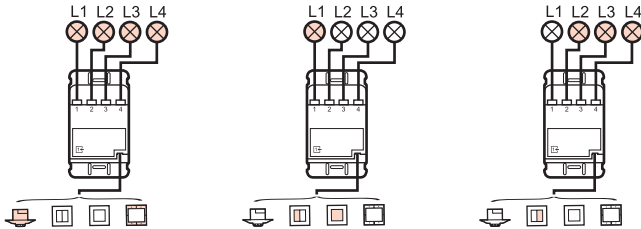
On cable tray



6. PARAMETER SETTINGS

Reminder: All wiring must be carried out with the mains power turned off.

Switching the controller on generates an automatic configuration. Configuring the controller means that the wiring can be checked. All sensors control all loads.



The KNX system must be configured using a PC with ETS software installed. This means that each peripheral can be connected to its load. Technical documentation regarding KNX product settings is integrated in the ETS database available from January 2012.

Note:

All technical information is available at



7. CARE

Do not use acetone, tar-removing cleaning agents or trichloroethylene.

Resistant to the following products:

- Hexane (EN 60669-1)
- Methylated spirit
- Soapy water
- Diluted ammonia
- Bleach diluted to 10%
- Window-cleaning products

Important:

Always test before using other special cleaning products.

8. STANDARDS

CE marking

Installation standards: NFC 15-100

Product standards: EN 50428

IEC 60669 2-1

Environmental standards:

- European directive 2002/96/EC: WEEE (Waste Electrical and Electronic Equipment)
- European directive 2002/95/EC: RoHS (Restriction of Hazardous Substances)
- Decrees and/or regulations: Public buildings
Workplace buildings
High-rise buildings

9. COMMUNICATION OBJECTS

9.1 List of objects

The controller can be configured using ETS version 3 or later. The following (default) objects are available:

1	Channel 1 Switch, Channel 1
4	Channel 1 Switch status, Channel 1
11	Channel 2 Switch, Channel 2
14	Channel 2 Switch status, Channel 2
21	Channel 3 Switch, Channel 3
24	Channel 3 Switch status, Channel 3
31	Channel 4 Switch, Channel 4
34	Channel 4 Switch status, Channel 4
39	Scene Scene

9.2 Parameters

1.1.1 ON/OFF parameter

Obj.	Function	Object name	Type	Flag
1, 11, 21, 31	Switch, Channel X	Channel X	Switch (1 bit)	CW

This object is used for ON/OFF control of luminaires connected to controller outputs 1/2/3/4.

4, 14, 24, 34	Switch status, Channel X	Channel X	Switch (1 bit)	CT
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This object is used to access the status of the luminaires connected to the controller output. A 1-bit status (ON/OFF) is sent.

6, 16, 26, 36	Enable, Channel X	Channel X	Enable (1 bit)	CW
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This object is used to lock or unlock (NO/YES) the output in its present state. Commands will not be recognised.

7, 17, 27, 37	Override, Channel X	Channel X	Switch Control (2 bits)	CW
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This object is used to control the state of the controller output with the concept of priority:

- Bits = 01: Output ON
- Bits = 00: Output OFF
- Bits = 11: Output forced ON
- Bits = 10: Output forced OFF

1.1.2 Dimmer parameter

Obj.	Function	Object name	Type	Flag
2, 12, 22, 32	Relative dimming, Channel X	Channel X	Dimming control (4 bit)	CW

This object is used to vary the light intensity of all luminaires connected to controller outputs 1/2/3/4.

3, 13, 23, 33	Level, Channel X	Channel X	Percentage (0..100%) (1 Byte)	CW
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This object is used to modify the brightness of all luminaires connected to controller outputs 1/2/3/4.

5, 15, 25, 35	Level status, Channel X	Channel X	Percentage (0..100%) (1 Byte)	CT
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This object is used to access the status of the luminaires connected to controller output 1. A status with the value of 1 byte (50...100%) is sent.

9. COMMUNICATION OBJECTS (continued)

■ 9.2 Parameters (continued)

1.1.3 Scene parameter

Obj.	Function	Object name	Type	Flag
39	Scene	Scene		CW

This object is used to call scenes which have been configured on the controller. Up to 64 scenarios can be configured.

Warning:

Each controller output can be controlled in a maximum of 10 scenarios.