

eibSOLO / DUO

Universal Dimming Actuator

DIM2FU / DIM4FU

Description

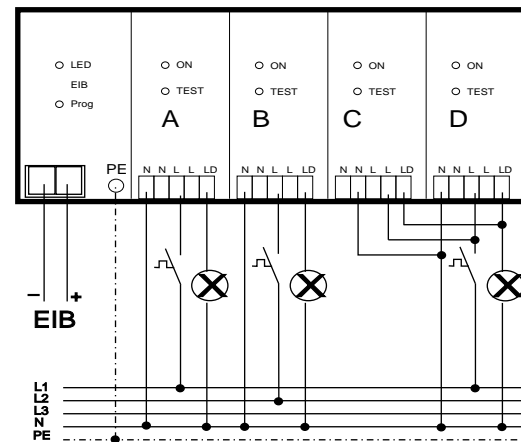
The *eibSOLO/DUO* 2-fold and 4-fold universal dimmers are suited for all established dimmable types of lighting. The 2(4) separate load terminals can be connected to 570W (300W) loads each. The control circuits automatically identify the load and switch from leading-edge to trailing-edge control. Two dimmer load terminals (A+B or C+D) can be connected in parallel to allow a higher load.

Technical Data

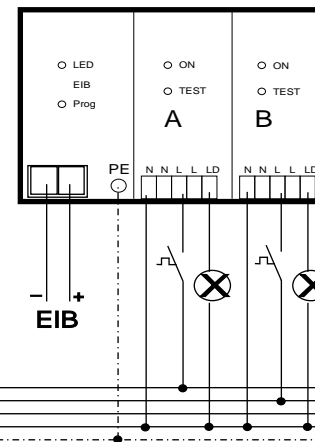
max. group addresses	96
power supply	230V AC 50...60Hz
protection class	IP 20
dimensions DIM2FU	108 x 90 x 50 mm (6 RU*)
DIM4FU	216 x 90 x 50 mm (12 RU*)
installation	35 mm DIN rail
operating temperature	-5 ... +40°C
max. start-up peak/channel	13A
maximum load per channel	
DIM2FU	2x570 W/VA or 1x1140 W/VA
DIM4FU	4x570 W/VA or 2x1140 W/VA
DIM4FU300-IP	4x300 W/VA or 2x600 W/VA
minimum load per channel	5W ohmic
power dissipation	
at rated load	5.7W per channel
at standby	1.4W per channel
short-circuit protection	electronic instant shut-down
overload protection	temperature monitoring (75°C)
dimming technology	automatic leading/trailing edge detection
	*RU = rail unit

At full rated load, every dimming actuator generates heat loss. When the dimming actuator is installed in a cabinet, care must be taken that the temperature of the individual devices does not exceed 70°C.

DIM4FU / DIM4FU300



DIM2FU



Channels A+B and C+D can be connected in parallel to allow higher loads. Both circuits must have same mains phase and the ETS parameters have to be set according to the parallel connection!

Device-specific Instructions

- The LD load terminal is **NOT** galvanically isolated when the dimming actuator is switched off. A separate automatic circuit breaker has to be installed at the power supply.

WARNINGS

- Loads or parts thereof must **NOT** be added or taken off during operation.



- When connecting two circuits in parallel the circuits have to be connected to the same mains phase. When using two different mains phases the dimmer will instantly be destroyed when connecting in parallel.

- The maximum start-up peak is 13A. Exceeding this current, especially with capacitive loads, the power unit will be destroyed.

Terminals

- terminals L-L and N-N are wired internally.
- terminal cross section: 0.08 - 2.5 mm²
- stripping length: 5 - 6 mm
- conductors permitted:
 - single core
 - multi-filar
 - fine-wired, including tin-plated individual wires
 - fine-wired, with wire end sleeves
- load current for looping through 10A max.

Warnings

The device must only be installed and configured by a qualified professional!

If the outlets are connected to different mains phases which are not protected by the same protector unit, a clearly visible note to that effect has to be attached to the device!

Health and safety regulations have to be complied with!

Do not open the device!

A faulty device must be returned immediately to Lingg & Janke OHG!

Configuration

The factory settings of the actuator do not feature any device or group addresses. The functions required are assigned when setting the parameters. During the planning phase with ETS, objects which are not assigned are not displayed either.

important:

The bus coupling unit (BCU 2.1) used in the actuator requires the following to be installed before first-time use of the device:

for ETS 2.0 V1.2 / 1.3

- product data base [09/2005 or later](#)
- current service patch

for ETS 3.0d

- product data base [09/2005 or later](#)
- current service patch

The application program must always be fully downloaded to the device, never partially. Partial download of the program may lead to malfunctions.

Installation

The device is mounted on a DIN rail, DIN EN 60715 TH35

Position the device on the DIN rail from below. Apply brief, strong pressure on the upper edge of the casing to engage the casing with the rail.

The device can be removed from the rail without any tools: simply slide it from the DIN rail upwards and remove it from the top of the rail. Do not apply any force lest the clamps be damaged.

To connect the wires to the screwless terminals, insert a slotted screwdriver into the respective spring-clip button of the terminal, which opens the terminal. Insert the wire into the mounting hole and remove the screwdriver. The wire is now locked in place.

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