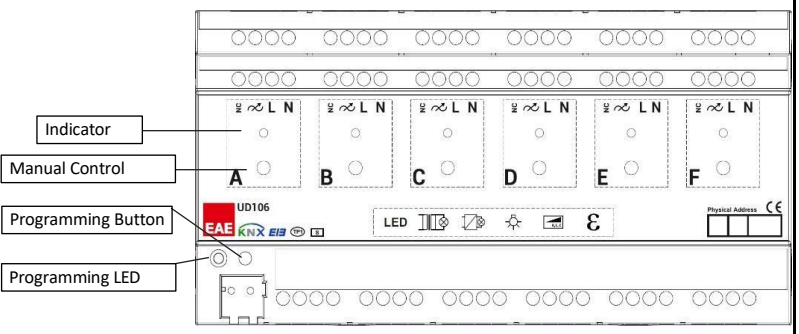


Device Description

EAE KNX Universal Dimmer Actuator has dimming functions which can be used by phase dimming only. The device can be operated manually via push button over enclosure. Each channel can be programmed via ETS5 or higher. UD106 has 6 independent channels and 3 channel grouping features. Channel features of dimming actuator;

- Staircase lighting
- Forced Operation
- Channel Grouping (merging outputs for high power lamps)
- Scene Function
- Electrical Measurements (Voltage)
- Error Detection (Load Error, Short-Circuit, Over-current, Over-voltage, Under-voltage, Over-heating)

All features can be used individually or together.

Technical Data

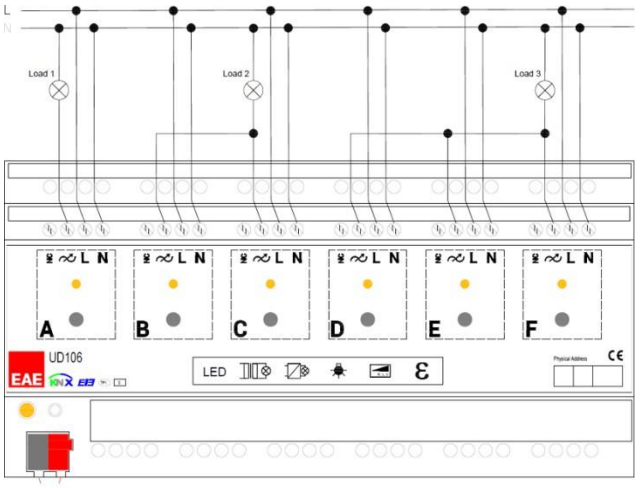
Protection Type	IP 20	EN 60 529
Safety class	II	EN 61 140
KNX Power supply	Voltage	21V... 30V DC, SELV
	Current consumptio	< 10 mA
Mains Supply	Min...Max	185... 300V AC (50Hz)
Connections	Screw terminals	0,5...3,31 mm² solid and stranded wire
	Max. tightening torque	0,5...3,31 mm² stranded wire with ferrule 0.5 Nm 0.5 Nm
	KNX	Bus connection terminal
Output	Switching & Dimming	6 outputs, Trailing and Leading-Edge Dimming
	Cable length	Max. 200 meters
	Max. switching power	300 VA per channel 300 W halogen, incandescent lamps per channel 300 W Inductive transformers per channel 250 W Phase-cut dimmable LED lamps per channel 120 W constant voltage drivers* Multiplying the output power by parallel connection of channels.
	Min. switching power	9 W
Type of contact	Electronically controlled	
Installation	35mm mounting rail	EN 60 715
Operatingelements	LED (red) and button On/Off Button	For physical address programming For Switching/Dimming lights
Temperature range	Ambient Storage	-5° C + 45° C -25° C + 55° C
Humidity	Max. air humidity	85 % no moisture condensation
Dimensions	L x W x H Width in units (18 mm modules)	66 x 180 x 90 mm 10 modules
Box	Plastic, polycarbonate, co	our grey
CE	In accordance with the EMC guideline and LV directives	
Electrical Installations		EN 60 669-2-1
EMC requirements		EN 63 044-5-2

*: Constant voltage LED drivers draw more current while dimming. The 120 W maximum power value must be observed over the entire dimming range.

Operation and Display

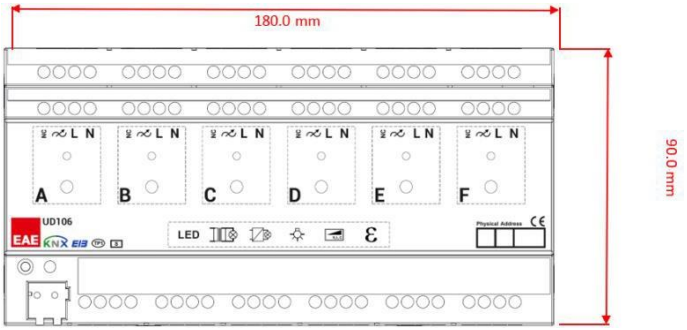
-Programming Led [3]
Red led lights up after the programming button is pressed.
-Status Leds
Blinks when error occurred, Stays when switched ON.

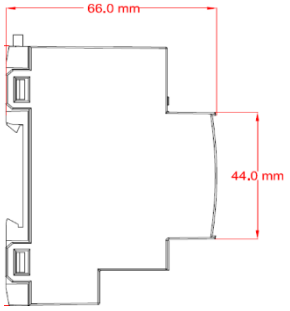
Connection Example



Single and Grouped Channel Control

Scale Drawings





Commissioning

Determination of the physical address and setting of parameters are actualized with Engineering Tool Software (ETS5 or higher). ".knxprod" file must be imported to the ETS. Please check website for latest ".knxprod" file. www.eaetechnology.com

A detailed information about parameter configuration can be found in Product Manual of device.

Installation and commissioning of device may only be implemented by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.
-When connecting the device make sure that the device is isolated!
-Protect the device against moisture, dirt and damage during transport, storage and operation!
-Do not operate the device out of the specified technical data which is stated.
-The device may only be operated in closed enclosures (Distribution boards etc.)

Cleaning

If device becomes dirty, only a dry cloth can be used for cleaning. It is not suitable to use wet cloths, caustics and solvents.