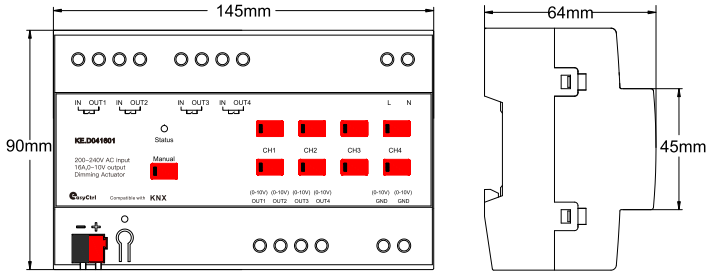
KNX 4CH 0-10V Dimming Actuator

Datasheet

KE.D041601

Dimension



Function

(1) Control the regulator or electronic ballast through the 0-10V output interface;

(2) Equipped 4-channel 16A switch control;

(3) It has a manual control dimming function;

(4) It has both relative dimming and absolute dimming functions;

(5) It has the function of status report feedback;

(6) It has scene control function;

(7) It has the function of channel LED indication;

(8) Function for selecting the relay switch status after the bus voltage recovers;

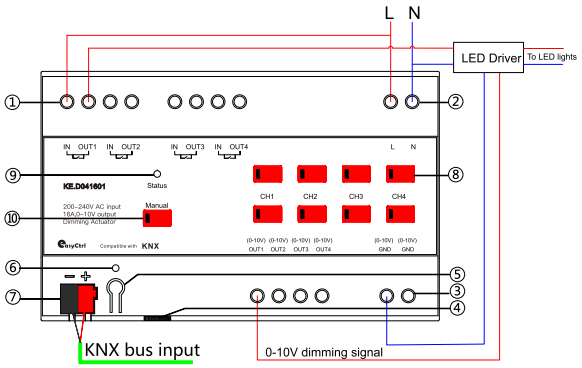
(9) It is equipped with a timed cycle function and can achieve the staircase light function and the cycle flashing function;

(10) Four-channel I/O input function, capable of receiving instructions for switches, curtains, dimming, scenes, etc.

Parameters

Rated voltage:	200-240V AC
Operating frequency:	50/60Hz
Bus voltage:	21-30 VDC, KNX bus power
Bus current:	≤ 12mA
Operating power:	≤ 3.2W
Output voltage:	≤ 360mW
Charging Bus power:	0-10VDC (output type),max.40mA per circuit
Relay switching current (per circuit):	Pure resistive load: Max 16A Incandescent lamps: Max 10A Fluorescent lamps with electronic ballasts: Max 4A
Dimensions:	145mm x 90mm x 64mm
Shell material:	PA66
Weight:	About 0.35kg
Installation:	35mm DIN
Operating Temperature:	-5°C...+45°C
Storage Temperature:	-25°C...+75°C
Transportation Temperature:	-25°C...+70°C
Relative humidity:	Max 90%

Wiring



① Relay output terminal, one in and one out, the aperture can connect 0.2-4 mm² wires;

② 200-240VAC power supply terminal, the aperture can connect 0.2-4mm² wires;

③ 0-10V output terminal, the aperture can connect 0.2-4mm² wires;

④ Dry contact input terminal;

⑤ Programming button,short press this button to enter programming mode;

⑥ Programming indicator light, the light is red when the device is in programming mode, the light goes out when the device programming is completed or working normally;

⑦ KNX terminal block, KNX bus access, red wire connected to"+", black wire connected to"-";

⑧ Control buttons for each circuit, when the indicator light of the Manual button is on, the button operation has the following functions:

●Long press the upper row of buttons, the corresponding channel brightness increases (maximum increase to the set maximum brightness value), release to stop;

●Short press the upper row of buttons, the brightness value has been increased to the set maximum value;

●Long press the lower row of buttons, the corresponding channel brightness decreases (as low as 0%), release to stop;

●Short press the lower row of buttons, the brightness value has been reduced to 0%;

(Note: The speed of dimming depends on the time set in the VD library, the indicator light on the button lights up during operation,the light goes out when the operation stops or is completed)

⑨ Status is the device power status indicator light, the light is green when the device bus power supply status is normal；

⑩ Manual is the bus and manual control switching button, press the button, the indicator light on the button turns red, can manually control CH1-CH4 channels, press the button again, the indicator light on the button goes out, switch to bus control.

Installation

The device is installed in the distribution box and can be installed on the 35mm DIN rail of DIN EN 60715 standard. In order to facilitate the rapid installation of the device in the distribution box, it is necessary to ensure that the operation, testing, inspection and maintenance of the device.

Safe use and maintenance

(1) Read all instructions carefully before use.

(2) Create a well-ventilated environment.

(3) During use, pay attention to moisture, shock and dust prevention.

(4) Do not expose to rain, other liquids or corrosive gases.

(5) If the machine is damp or invaded by liquid, it should be dried in time.

(6) If the machine fails, please contact professional maintenance personnel or our company.