

Technical Sheet For KNX Universal Dimming Actuator, 1/2/4-Fold

ADUD-01/02.3
ADUD-02/02.3
ADUD-04/02.3

The worldwide STANDARD for home and building control

CHARACTERISTICS

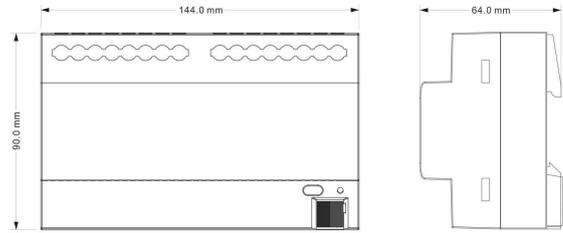
- Switch, Relative dimming/Brightness dimming
- Status feedback of switch and brightness, as well as abnormal status (short-circuit, over-voltage, over-temperature and operating voltage failure)
- Reset behaviour after download/voltage failure/voltage recovery
- 5 dimming curves, including Linear, Exponential, Cubic, Quadratic, Logarithmic, Root, as well as customized curve
- Leading edge/trailing edge phase cut dimming
- Manual operation and Output indication function
- Central control function (Only apply for 2/4-fold)
- Individual or parallel output (Parallel can expand the load capacity, only apply for 2/4-fold)
- Staircase lighting, Flashing switch and Delay switch, as well as Scene, Threshold, Forced operation, Safety operation and Operation hours counter
- Logic function, with AND, OR, XOR, Gate forwarding, Threshold comparator, Format convert, Gate function, Delay function and Staircase lighting
- KNX Data Secure

PARAMETERS

Power supply	Bus voltage	21-30V DC, via the KNX bus
	Bus current	
	Bus consumption	
Output	Dimming channel	1/2/4, separate phase connection
	Rated power	300W/per channel (Resistive load) parallel output can increase power
	Rated voltage	230 V AC (50/60HZ)
	Protection	Short-circuit, Over-voltage, Over-temperature, Operating voltage failure
Connection	KNX	Bus connection terminals
	Outputs	Screw terminals
	Wire Range	Single core 0.2–6.0mm ² Multi-core 0.2-4mm ²

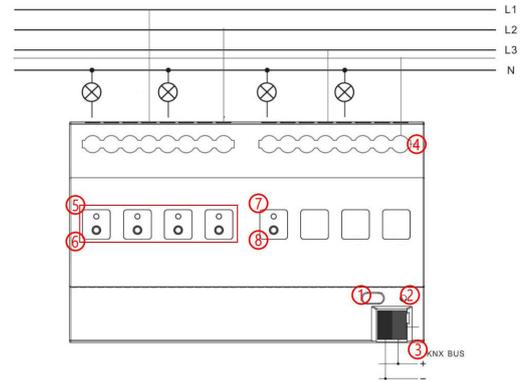
Operation and display	Programming button and Red LED	For assigning the physical address
	Green LED flashing	For displaying application layer running normally
	Channel button	For manual switching or dimming
	Channel indication LED	Indicates channel status of the load
	Man./Auto. button	Change the Man./Auto. mode
Temperature	Operation	-5 °C ... + 45 °C
	Storage	-25 °C ... + 55 °C
	Transport	- 25 °C ... + 70 °C
Environment	Humidity	<93%, except dewing
Mounting	On 35mm mounting rail	

DIMENSIONS



Model	Dimension	Weight
ADUD-01/02.3	36 x 90 x 64 mm	
ADUD-02/02.3	72 x 90 x 64 mm	
ADUD-04/02.3	144 x 90 x 64 mm	

DESCRIPTIONS



- ① Programming button ② Programming LED
③ KNX bus connection terminal ④ Input, Output, load terminal

- ⑤ Channel indication LED: in normal mode, LED off is output turn off, LED on is output turn on; in manual mode, slow flashing is dimming manually, always on/off is stop dimming. Quick flashing is channel abnormality (Short-circuit, Over-voltage, Over-temperature, Operating voltage failure)
- ⑥ Channel button: in normal mode, press to switch on/off; in manual mode, short press to switch on/off, long press for dimming lighter/darker, long press then release to stop dimming
- ⑦⑧ Man./Auto. operation switch button and status indicating LED: Long press to switch Man. and Auto. mode, LED on is Man. mode and off is Auto. mode.

Reset the device to the factory configuration: press the programming button and hold for 4 seconds then release, repeat the operation for 4 times, and the interval between each operation is less than 3 seconds

INSTALLATION FIGURE

The devices are suitable for installation on the distribution boards with 35mm DIN rail which complies with DIN EN 60715 or a small box in order to facilitate quick installation of the device. Must ensure that the device operation, testing, detecting, maintenance correctly.

IMPORTANT INFORMATION

Installation and commissioning of the device may only be carried out by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

- Protect the device against moisture, dirt and damage during transport, storage and operation!
 - Do not operate the device outside the specified technical data (e.g. temperature range)!
 - The device may only be operated in closed enclosures (e.g. wiring box).
- Should the device become soiled, it may be cleaned with a dry cloth. If this does not suffice, a cloth lightly moistened with soap solution may be used. On no account should caustic agents or solvents be used.