INTERRA

ITR500-003 - KNX DIMMER ACTUATOR 0/1-10V DC, 4 FOLD, 16 A

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				KNX Dimmer Actuator 4 CH, 1-10V DC			
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Device	ITR500-003		
Power Supply	21-30V DC, EIB Power Supply		
Current Consumption	<12 mA		
Power Consumption	<360 mW		
Output Voltage	1-10V DC(passive), max.100mA per output		
Output Switch Current	16A / 250V AC, If fluorescent lamp, allowable Max. current is 10A/250V		
Buttons & LEDs	1xProgramming Button 1xProgramming LED		
Type of Protection	IP 20		
Temperature Range	Operation (-5°C45°C) Storage (-25°C55°C)		
Maximum Air Humidity	< 90 RH		
Flammability	Non-flammable Product		
Color	Light Grey and White		
Dimensions	90x144x64 mm (HxWxD)		
Certification	KNX Certified		
Configuration	Configuration with ETS		
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DESCRIPTION

ITR500-003 - Interra KNX Dimmer Actuator has 4 channel 0/1~10V DC control device with standard DC 0/1-10V control interface, can be connected with electronic dimmable ballast/EVG or other devices with 0/1-10V interface to control the lights, such as dimming, scenes, switching etc. ITR500-003 control device has embedded switching relays for 23 ECG/18W, 14 ECG/36W, 11 ECG/58W or 23 ECG-T5/24W. Each channel offers control voltage up to 23 electronic control gears. The devices adopt screw terminals to achieve electrical connection; the connection to the EIB/KNX bus is established via a bus connecting terminal. There is no additional voltage input.

FUNCTIONS

- The lighting control with switching.
- Relative and absolute dimming.
- Status report.
- 15 scenes can be configured.
- Staircase lighting function.
- Bus recovery (or reset) function.
- Preset value and modify preset value functions.
- Switch/relative dimming via manual buttons.
- Short circuit protection and over heat protection.

INSTALLATION STEPS

- Labelling for AC power wires, loads wires and KNX Bus wire.
- Mount the device on a DIN rail of DB.
- Connect wires for loads and AC power.
- Make sure there is no circuit short or open.
- Connect KNX cables. Make sure the color is correct.
- Tidy the all Wire and separate KNX wire from AC power wire.

DIMENSIONS



LAYOUTS AND WIRINGS



- 1. Mechanical manual operation
- 2. KNX programming button
- Red LED for entering the physical address, green LED for application layer running normally.
- 4. Bus connection terminal.
- 5. Electronical manual button.
- 6. LEDs of indicating output status for each channel, LED on meaning the channel has output, or else no output.
- 7. Output, load terminals