ITR831-001 - KNX-DMX GATEWAY

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Device	ITR831-001
Power Supply	EIB Power Supply
Current Consumption	< 15 mA
Inputs	2x Dry Contact Inputs
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-20°C...60°C)
Maximum Air Humidity	< 90 RH
Flammability	Non-flammable Product
Color	Light Grey and White
Dimensions	72×90×66mm (HxWxD)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

ITR831-001 KNX-DMX Gateway module supports two-way control, and can record, play and delete DMX programs. With recording time up to 4 hours, KNX-DMX Gateway can be widely used to control devices with built-in DMX protocol port for LED color control, such as computer light, moving head light, laser light, etc.
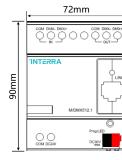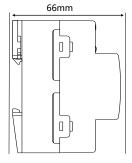
FUNCTIONS

- 3 working modes: DMX recorder mode, DMX dimming mode (EIB to DMX) and DMX to EIB conversion mode (1bit, 1byte data point)
- Supported communication signal: DMX512-1990, ArtNet DMX
- Store and playback up to 24 programs, maximum recording time: 4 hours
- DMX recorder mode supports switching and dimming up to 48 channels, which means controlling DMX device via KNX system.
- DMX to EIB conversion mode supports switching and absolute dimming via DMX signal for up to 48 channels, which means controlling KNX system via DMX storage control function.
- DMX output signal can be used to control devices with built-in DMX protocol port for LED color control, such as computer light, moving head light, laser light, etc.
- DMX input control functions for KNX system include：Sequence control, Scene control, Switch control, Relative dimming, Absolute dimming.
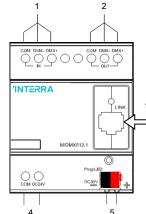
IMPORTANT NOTES

- Installation: Mount the device on a DIN rail of Distribution box.
- Programming: This device is designed for professional KNX installation. It can only be programmed by ETS software.
- Don't connect KNX DC power to other load channels before KNX Bus installation and wiring.
- Auxiliary power supply: An additional DC 24V power supply should be connected for DMX interface of the module.
- Do not get AC 240V voltage into Bus wire, it will damage all of devices in system.

LAYOUTS AND WIRING DIAGRAM

1.Input terminal for DMX512-1990

2.Output terminal for DMX512-1990

3.Communication port for ArtNet DMX

4.Terminal for auxiliary power supply

5.KNX/EIB interface