### Parameters

#### Electrical parameters
- **Working Voltage (supply by the bus)**: 21~30VDC
- **Communication**: KNX/EIB
- **Dynamic current**: < 15mA
- **Static current**: < 5mA
- **KNX terminals**: KNX Bus Terminal – (Red /Grey) 0.6 – 0.8mm Diameter Single Core
- **AUX Power supply**: 40mA/DC24V
- **Input/ Output signal**: DMX512-1990, ArtNet DMX, HDL Net DMX
- **Other Terminals**: Line In, Line Out for each channel 1 x 2.5mm² max conductor size

#### Environmental Conditions
- **Working temperature**: -5℃~45℃
- **Working relative Humidity**: Up to 90%
- **Storage temperature**: -20℃~+60℃
- **Storage relative humidity**: Up to 93%

#### Approved
- CE, RoHS
- KNX

#### Product information
- **Dimensions**: 90mm×72mm×66mm
- **Net weight**: 188.5g
- **Housing material**: Nylon
- **IP rating**: IP 20

### Important Notes
- **Special Programming** – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- **Check Connections** – Re-tighten all connections after installation.
- **Don’t apply KNX DC power to another Load, KNX bus prior to installation and wiring.**
- **Mount the device on a DIN rail inside an approved electrical enclosure.**
- **Connect KNX TP1 bus cables. Ensure correct cable type and lengths. Ensure required cable separate with other high power circuits.**
- **Re-check all terminations before power on.**
- **Bus Voltage** - The input of voltage must be between 21~30VDC
- **Aux power supply** – this DMX module need a additional DC24V power supply for DMX interface.

### Overview

KNX/DMX recorder is not only a KNX/DMX gateway which supports two-way control, but also can make record, play back and delete DMX program from the ETS software or KNX wall panel. The maximum record time is up to 4 hours. This module can be used to control devices with built-in DMX protocol such as LED color changer, moving head, laser light.

### Functions
- The DMX Recorder have three work mode, DMX recorder mode, DMX dimming( EIB to DMX) mode and DMX to EIB(1bit,1byte Data Point) mode. Support recording from DMX line or Art-Net.
- DMX recorder mode can store and playback 24 programs. The time of each program can reach 4 hours.
- DMX dimming mode support Max. 48 channels switching and dimming via EIB, Means allow you to control DMX device from KNX system.
- DMX to EIB mode support Max. 48 channels switching and absolute dimming via DMX signal. Means allow you to control KNX system from DMX memory console.
- DMX output for LED color changing, DMX dimming and Moving head, Laser and other DMX control.
- DMX input control functions for KNX include switch control, sequence control, scene control, Relative dimming, Absolute dimming.
Layout and Wirings (Unit: mm)

- Do not make wrong connection on Bus interface, it will damage the Bus interface this module.
- Do not get AC220V voltage into KNX/EIB Bus, DMX wire, it will damage all of devices in system.
- Assure a good ventilation circumstances.
- Rain, liquid, and aggressive gas are not allowed to close to it.

Safety Precautions

- Device*1/ Datasheet*1