Features

Din-Rail Mounting Leading Edge Dimmer 2 channel 6A/per with scene, sequence, channel controller. Support 220VAC, 50-60Hz, with over heat protection. This dimmer can dim Incandescent Lamp, halogen lamp, low voltage halogen, LED lamp (notice: LED need support leading edge dimming) and other lamp which support leading edge technology.

- Up to 2 separate Area, Each Area has 12 scenes
- Up to 6 sequence, 12 steps for each sequence
- Low or High or Maximum threshold are available in each channel to Suit the different loads
- Bypass function is available in each channel
- Can go back to previous scene or designated scene after power on;
- Over-Heating Protection
- 6A each channel, total do not exceed 10A

Important Notes

- **Bus cable -** CAT5E or HDL Bus/KNX
- **Bus connection -** Recommend connection of Bus wire hand by hand
- Do not try use this dimmer to dim non-dimmable lamps
- **Check Connections** – Re-tighten all connections after installation.
- **Output Circuit** – The load on the each dimming circuits must not exceed the specified capacity of 6A, these two circuits should be fed via a 6A FAST fuse (aR type) separately
- **Type of Load** – The load should support TRAIC dimming technology (leading Edge) , Do not try use this dimmer to dim non-dimmable lamps.
- **Minimum holding current** – make sure the load can supply minimum current for each channel (about 40W), otherwise the lamp will flicker when dimming down at low output voltage
- T**emperature** – Make sure the ambient temperature of dimmer not exceed 50℃

Installation Steps

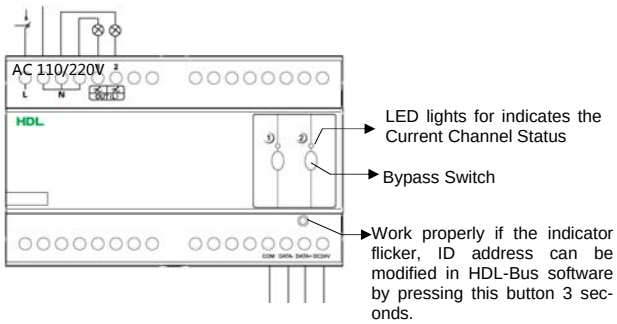
- Mount two 8A FAST fuse (aR type) for circuit short protection on each channel
- Labeling for AC power wires, lamps wires and HDL Bus wire
- Mount the device on a DIN rail of DB
- Make sure the totally current of lamps less than 10A, each channel less 6A
- Connect wires for lamp and AC power , Make sure there is no circuit short or open.
- Make sure the Bus cable type is correct and has no circuit short
- Connect bus cables. Make sure the color of wire same as definition
- Tidy the all Wire and separate Bus wire from AC power wire

Product Specifications

- Bus Power Supply：DC15~30V
- Bus Power Consumption ：20mA@DC 24V
- Output ：2 CH/6A, Total< 10A
- Working Voltage: 110-220V AC/ 50-60Hz
- Dimension：144mm×90mm×66mm
- 16A TRIAC used in Module
- CE approved
- IP Protection: IP20
- Working Temperature: 0℃ ~ +45℃
- Working Relative Humidity: 20% - 90%
- Storage Temperature: -40℃- +55℃
- Storage Relative Humidity: 10% - 93%

Types

SB-DN - D0206



HDL-Bus interface

HDL-Bus Definition for cable

CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White/ Orange White	COM	Black
Blue White /Green White	DATA-	White
Blue/Green	DATA+	Yellow
Brown/ Orange	DC24V	Red

WARNING

Safety Attention

- For protect the TRIAC damaged from circuit short, there are must be put two 8A FAST fuse (aR type) for each channel.
- The tightening torque do not exceed 0.4Nm,
- Power cable require：0.75mm^2 to 4mm^2 wire
- Totally current do not exceed 10A, each channel do not exceed 6A
- Mounting position: DB
- Do not make wrong connection on Bus interface, it will damage the Bus interface of dimmer module
- Avoid the rain or water into module, it will damage this devices
- Do not get AC220V voltage into Bus wire , it will damage all of devices in system