Description

SB-DN-R0816 Relay Module is a Intelligent Switch output Module which is developed by HDL. RS485 is used for the communication. It has Scene Controller, with Bypass Switch for Manual Control.

Features

. 12 Relay Channels for Output

. Scene Controller Available

. Up to 12 separate Area

. Up to 16 scenes in each Area, maximum running time to each scene is 60 minutes

. Up to 2 sequence in each area, maximum 12 steps for each Sequence

. Light Protect Delay time for each channel : 0-60 Minutes

. Switch on Delay time for each channel: 0-25 seconds

. Manual control for each channel is available

. Remote control and management

. Back to the previous scene or designated scene once system restart

. RS485 Protocol is used for Communication

Installation Dimension

216

88

66

88

Front Elevation

Side View

Installation Requirements

For safety , A proper fuse or MCB must be connect to each circuit . The power cable require : 0.2..4 mm² multi- core and 0.4...6 mm² single-core. The tightening torque not exceed 1Nm . Bus connection: Cat5e. Modular installation: DIN-Rail . Mounting position: Electric switch box

Environmental conditions

Working temperature : -5℃~45℃

Working Relative Humidity : 20%~90%

Storage temperature : -40℃~+55℃

Storage Relative Humidity : 10%~93%

IP Class: 2.0

Performance parameters

Bus Power Supply : DC24-30V

Bus Power Consumption :

    Dynamic Current : 40mA/DC24V

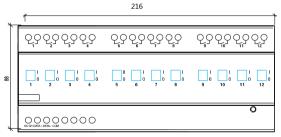   Static Current :   15mA/DC24V

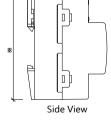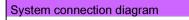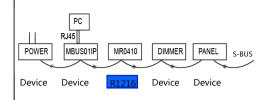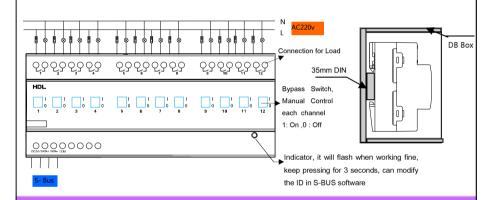Lighting Channel : 12 channel

Maximum Current in each channel : 16A

Relay Life time: > 60000

Capacity Load of Relay Unit : ＜300μF

Standard 35mm Din Rail Installation

50A magnetic latching relay used

CE approved

System connection diagram

Recommended Connection: Hand in Hand

Smart-Bus CAT5 Wire Definition

Brown White/ Orange White	COM
Blue White /Green White	DATA-
Blue/Green	DATA+
Brown/ Orange	DC24V

Wiring For Installation

Connection for Load

35mm DIN

DB Box

Bypass Switch, Manual Control each channel 1: On ,0 : Off

Indicator, it will flash when working fine, keep pressing for 3 seconds, can modify the ID in S-BUS software

S- Bus

Packing List

SB-DN-R1216	1pc
Installation Manual	1pc

Safety and Maintenance

Read All Instructions in detail before use

Make sure good Ventilation Environment

Pay Attention to Water-proof, shake-proof and dust-proof when using

Non-Rain, Non-Contact with other liquids or corrosive gases

Should be dried in time if invaded by water or liquid

Contact Professional maintenance staff or HDL company when Product has problem