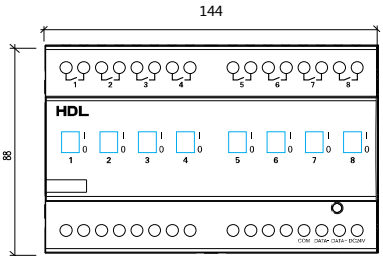
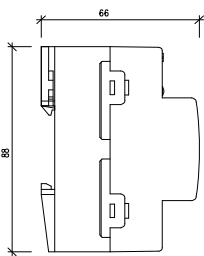


Description	Environmental conditions
SB-DN-R0816 Relay Module is a Intelligent Switch output Module which is developed by HDL. RS485 is used for the communication. It has Scene Controller, with Bypass Switch for Manual Control.	Working temperature : -5°C~45°C Working Relative Humidity : 20%~90% Storage temperature : -40°C~+55°C Storage Relative Humidity : 10%~93% IP Class: 2.0
Features	Performance parameters
8 Relay Channels for Output Scene Controller Available Up to 8 separate Area Up to 16 scenes in each Area, maximum running time to each scene is 60 minutes 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 Smart-Bus Protocol is used for Communication	Bus Power Supply : DC24-30V Bus Power Consumption : Dynamic Current : 40mA/DC24V Static Current : 15mA/DC24V Lighting Channel : 8 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
Installation Dimension	
 <p>Front View</p>	 <p>Side View</p>
Installation Requirements	
<p>For safety , A proper <b>fuse or MCB must be connect to each circuit</b> . The power cable require : 0.2..4 mm<sup>2</sup> multi- core and 0.4...6 mm<sup>2</sup> single-core. The tightening torque not exceed 1Nm . Bus connection: Cat5e. Modular installation: DIN-Rail . Mounting position: Electric switch box</p>	

## System connection diagram

Smart-Bus CAT5 Wire Definition

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

Recommended Connection: Hand in Hand

## Wiring For Installation

## Packing List

SB-DN-R0816	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**