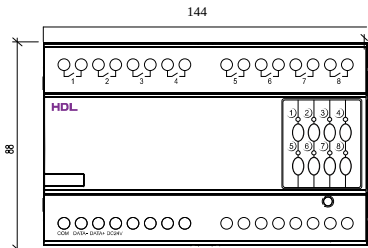
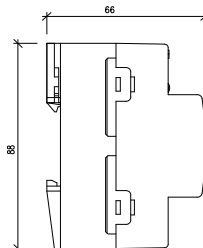


Description	Environment Conditions
SB-DN-MR0810 relay module is an intelligent switch output module developed by HDL. RS484 is used for communication. It built-in scene controller and bypass buttons	Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% IP Class : 2.0
Features	Performance Parameters
8ch relay output Up to 8 separate area Up to 16 scenes in each area, maximum running time 60 minutes for each scene Up to 2 frequencies each area, can set up to 8 steps for each frequency Light protection delay time: 0-60 minutes Switch on delay time for each channel: 0-25 seconds Manual control for each channel Remote control and management Back to the previous scene or designated scene once system restart LED load status indicator RS485 system communication	Bus Power Supply: DC24V Bus Power Consumption: Dynamic Current: 40mA/DC24V Static Current: 15mA/2DC24V Output Channel : 8ch Maximum Current for each channel : 10A Relay Life Time: >60000 times Capacity Load of Relay : <50μF Protection : extra MCB Dimension : 144mm×90mm×64mm Installation : Standard35mm Din-Rail Mounted
Installation Dimension	
 Front View	 Side View
Installation Requirements	
Output load Cable : 2.5mm² copper cable. A proper MCB is recommended to protect the load Standard 35mm DIN-RAIL Mounted in DB RS485 Cable : Cat5e	

System Connection Diagram

Recommended Connection: Hand in Hand

HDL-BUS Wire Definition

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

Wiring for Installation

AC220V

Output Load

Status indicator

Bypass buttons

The indicator will flash when the module is working well, keep pressing 3 seconds to modify the ID in S-Bus software

35mm DIN

DB

S-Bus

Packing List

SB-DN-MR0810	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