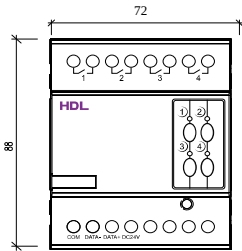
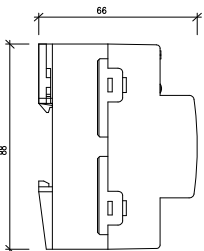
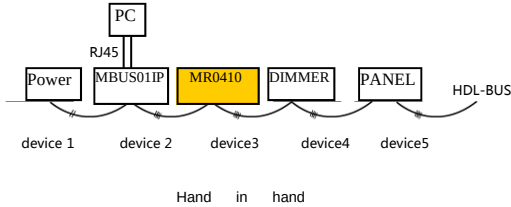
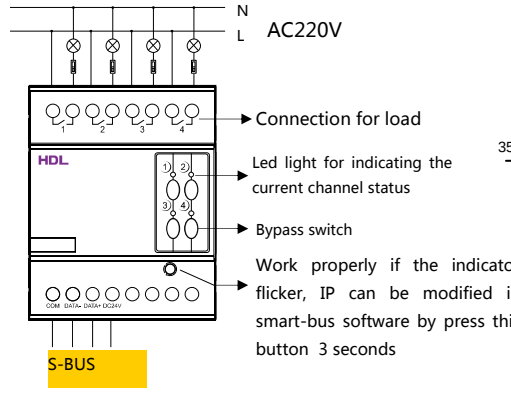
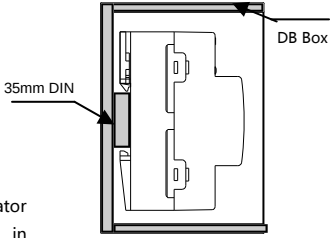


Description	Environment condition
SB-DN-MR0410 Intelligent Relay module is our New technology output module, RJ485 communication Protocol. With relay can be controlled by hand	Working temperature: 0℃~45℃ Working relative humidity: 20%~90% Storage temperature: -40℃~+55℃ Storage relative humidity: 10%~93% IP Class : 2.0
Features	Performance Parameters
4CH relay output Maximum 4 separate Areas. Up to 8 scenes in each area, maximum running time of scene is 60 minutes Each area has 2 sequences, each sequence can set maximum 4 steps Each channel has lights protection delay : 0~60M Each channel has switch on delay time: 0~25S Bypass function is available for each channel Remote Program and Management are available Can go back to previous scene or designated scene once the system restart LED lights available for indicates of each channel Use 485 bus for communication	Input voltage: DC24V Power Consumption : 15mA/DC24V Dynamic consumption : 40mA/DC24V Output channel : 4ch Maximum Current in each channel : 10A Life time for Relay Unit : more than 60000 times (Resistive Load) Relay capacitance load: < 50μF Protection : external breaker Dimension : 72mm×90mm×64mm Installation : standard 35mm rail installation
Installation Dimension	
 Front view	 Side view
Installation requirement	
Relay switch output cable : 2.5mm² Copper wire To protect the Load, suggest please connect into the right breaker Use standard 35mm DIN installation , need to be installed in the DB box 485 bus connection : use cat5	

System connection diagram									
	HDL-BUS CAT5 Wire Definition <table> <tr> <td>Brown White/ Orange White</td><td>COM</td></tr> <tr> <td>Blue White/ Green White</td><td>DATA-</td></tr> <tr> <td>Blue/ green</td><td>DATA+</td></tr> <tr> <td>Brown/ Orange</td><td>DC24V</td></tr> </table>	Brown White/ Orange White	COM	Blue White/ Green White	DATA-	Blue/ green	DATA+	Brown/ Orange	DC24V
Brown White/ Orange White	COM								
Blue White/ Green White	DATA-								
Blue/ green	DATA+								
Brown/ Orange	DC24V								
Wiring for installation									
 Connection for load Led light for indicating the current channel status Bypass switch Work properly if the indicator flicker, IP can be modified in smart-bus software by press this button 3 seconds	 35mm DIN DB Box								
Packing List									
SB-DN-MR0410	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									