

<b>Description</b>	<b>Environmental Conditions</b>
SB-IR-EM infrared signal transmitter module is the intelligent products to replace traditional remote control , through the "IR learning device " to learn the traditional infrared remote control code and downloaded to the transmitter module, then HDL intelligent control system can control various kinds of electrical equipments with Infrared interface, such as television, air conditioning, DVD, amplifier and other equipment.	Working Temperature: -5℃~45℃ Operating Relative Humidity: 20%~90% Storage Temperature: -40℃~+55℃ Storage Relative Humidity: 10%~93% Protection Grade : 2.0
<b>Features</b>	<b>Performance Parameter</b>
Current detecting function for identify device On/Off status Up to 253 key command codes (Remote codes) Key command codes received by IR learner. Communication Protocol: 485	<ul style="list-style-type: none"> <li>. Input Voltage : DC 12-30 V</li> <li>. Input Current : 15mA/DC 24V</li> <li>. Remote code storage : Save up to 253 infrared codes, the specific code based on the actual length and number of needs..</li> <li>. Transmitting carrier wave frequency : 38KHz</li> <li>. emission distance : 7 M</li> <li>. Exterior Size : 45mm×40mm×12.6mm</li> </ul>
<b>Installation Dimension</b>	
<p>Elevation</p>	<p>Side View</p>
<b>Installation Requirement</b>	
When you need to use the current detect function, it should be installed near the equipment Directly connected to the power switch, please pay attention to safety. Bus connection: CAT-5 UTP	

<b>System Connections Diagram</b>									
	Smart-Bus CAT5 Wire Definition								
	<table border="1"> <tr> <td>Brown, White &amp; Orange, White</td> <td>For COM</td> </tr> <tr> <td>Blue, White &amp; Green, White</td> <td>For DATA-</td> </tr> <tr> <td>Blue &amp; green</td> <td>For DATA+</td> </tr> <tr> <td>Brown &amp; Orange</td> <td>For DC24V</td> </tr> </table>	Brown, White & Orange, White	For COM	Blue, White & Green, White	For DATA-	Blue & green	For DATA+	Brown & Orange	For DC24V
Brown, White & Orange, White	For COM								
Blue, White & Green, White	For DATA-								
Blue & green	For DATA+								
Brown & Orange	For DC24V								
Recommended Connection: Hand in Hand									
<b>Wiring for installation</b>									
Note: Only when the device "on" and "off" using the same infrared codes that needs to increase the detection circuit terminals, to distinguish the current state of equipment, see above television diagram as example, to connect power lines with the current detecting terminal for detect equipment on/off which helps to make the right control of the equipment.									
<b>Packing List</b>									
SB-IR-EM Installation Manual	1PC 1 PC								
<b>Safety and Maintenance</b>									
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									