1. Gateway & Bridge Series
2. Dimming Series

3. RELAY SERIES
3.8 Relay Meshed Socket, 1CH 10A
RMS110A

4. Climate Series
5. Guest Room Series
6. Human Interface Series
7. I/O Series
8. Power Supply Series
9. Multiroom Audio Series
10. Motorization Series
I DESCRIPTION

The Blue IoT CONTROLS (Blue IoT) RMS110A Relay Meshed Socket, 1CH 10A is a BlueBUS 1 channel output device with a maximum control load of 10A per channel.

The channel is equipped with a built-in current sensor for individual energy monitoring and reporting.

The module is provided with a status LED to indicate the load status and can be used to identify the module during system configuration. For ease of installation the module is a direct DIY plug-in type.

The module comes equipped with a push button switch that allows local control of connected circuits/devices and for installation and testing.
### DEVICE FEATURES

- BlueBUS wireless structured meshed interface.
- Provides 1 x 10A output channel.
- Incorporates a push button switch that allows local control of connected circuits/devices and for installation and testing.
- Incorporates current detection, overload, overheat and short circuit protection (fuse).
- LED indicates module link and health and load status.
- Remembers last known state at the hour in the event of power loss.
- Incorporates Zone and Category grouping.
- Built-in Scene and Timer engines supporting up to 32 Scenes and 16 Timers.
- Built-in Event engine supporting up to 32 Events with up to 8 triggers, 8 conditions and 128 actions (not exceeding 512 actions per module).
- 32 Flags can be defined to be used as triggers and/or conditions for Event engine.
- Programmable onsite or offsite via Smart IoT CONTROLS Configuration Client Software.
- Programmed variables are stored in nonvolatile memory and are retained in case of loss of mains.
- Supports local upgrade.
- CE & RoHs certified.
# TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>1.8MHz, Flashless, 200Kbyte RAM</td>
</tr>
<tr>
<td>Memory</td>
<td>16MByte SPIFI Serial Flash</td>
</tr>
<tr>
<td>Additional Solid-state Memory</td>
<td>8GByte (expandable as needed)</td>
</tr>
<tr>
<td>Ethernet</td>
<td>RJ45 10/100Mbit Ethernet</td>
</tr>
<tr>
<td>Operation Voltage</td>
<td>DC 24V ±10% (BUS Powered)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>Approximately 75mA</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>0°C - +55°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-10°C - +55°C</td>
</tr>
<tr>
<td>Working Humidity</td>
<td>20% ~ 90%</td>
</tr>
<tr>
<td>Storage Humidity</td>
<td>10% ~ 90%</td>
</tr>
<tr>
<td>Installation</td>
<td>35mm DIN rail mounting, EN50022</td>
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<tr>
<td>Communication</td>
<td>RS485, TCP/UDP/IP</td>
</tr>
<tr>
<td>Module Dimension</td>
<td>55.78x116.3x80.3mm (WxHxD)</td>
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<tr>
<td>Packing Dimension</td>
<td>65x125x90mm (WxHxD)</td>
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<tr>
<td>Net Weight</td>
<td>145g</td>
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<tr>
<td>Gross Weight</td>
<td>180g</td>
</tr>
<tr>
<td>Protection Class</td>
<td>IP20, EN60 529</td>
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# DIMENSIONS

![Side View](SideView.png)

![Front View](FrontView.png)

![Top View](TopView.png)
## INSTALLATION

### Step 1:
Turn the wall socket switch off (see Figure 1).

### Step 2:
Plug the module to the wall socket switch (see Figure 1).

### Step 3:
Plug the load to be controlled to the module and then turn the wall socket switch on (see Figure 1).
WIRING DIAGRAM

RECOMMENDED CABLES

**Module power input cable:**
2.0mm² electrical copper wire.

**Load output wire:**
2.0mm² electrical copper wire.