

# SAR-3X

## PRODUCT SPECIFICATION





**SAR-3X** series is a remote mesh unit radio device, with Mesh topology working at 2.4 GHz.

This line of product provides wireless automation control solution, for large application in the market.

Like:

Central box of street light, smart socket for device, LED lamp control, reading electricity meters, provide alarms sensors. And much more.

### **Features:**

1. Reading any PULSE meter in the market.
2. Support ANSI meters and PIMA meter and ABNT meters.
3. Support communication interface of RS232/ RS485.
4. Door alarm control.
5. Device communications fail indication.
6. 2 x SSR of 1A + 1 SSR of 16A. To connect and disconnect LOAD device.
7. Temperature sensor.
8. 1 input A/D, to read analog sensors.
9. 12V power output to control external device include dimming 0 -10 volts.
10. 3 x AC/DC line inputs - to monitor high voltage lines.
11. alarms indication: communication meter fail .relay bypass , relay fail, battery fail, power fail , sensor alarm, temp alarm

### Product specification

<b>Radio</b>  2.4GHz – mesh communication	<ul style="list-style-type: none"> <li>• Spread Spectrum (DSSS) technology</li> <li>• Maximum Power 20 dbm</li> <li>• Receive sensitivity -114dbm</li> <li>• Antenna Connection SMA or internal PCB</li> <li>• LOS 4Km</li> <li>• Secure communication AES128</li> <li>• Over the air software update.</li> </ul>
<b>Hardware Interface</b>	<ul style="list-style-type: none"> <li>• 1 X Dry contact input.</li> <li>• 1x A/D input.</li> <li>• 3 X relay output: 2x SSR 1A + 1x 16A SSR.</li> <li>• 3 X AC\DC line sense (isolated)</li> <li>• Dimming output 0-10V</li> <li>• RS232/RS485 communication.</li> <li>• Dali interface (optional)</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 85-265VAC 50 /60 Hz \ DC input 3.6-24V.</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• -40° – 85° degree</li> <li>• Humidity 0 – 96%</li> <li>• Compliance to IEC6100</li> </ul>
<b>Approval</b>	<ul style="list-style-type: none"> <li>• FCC 47CFR Part 15</li> </ul>

