

# SAR-2X

## PRODUCT SPECIFICATION





### Main function

- Full symmetric two-way communications
- Spread Spectrum DSSS
- Robust and advanced security and encryption.
- 1 solid state relay 5A and AC\DC line sensing.
- Alarm detection:
  - a. Fail communication with device (meter \ sensor)
  - b. relay fail indication
  - c. Relay bypass indication
  - d. Dry contact indication (open door , sensor)
  - e. AC Power fail alarm
  - f. Battery low alarm (if installed)
- Support any pulse meter protocol in the market (electricity meter water meter gas meter)
- Output of 0 -10V for dimming.
- Dali interface (optional)

### Product specification

<b>Radio</b> SAR- 2P (915Mhz) – Point to point communication.  SAR- 2M (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 25Km (antenna 2dbi) (only in SAR-2P)</li> </ul>
<b>Hardware Interface</b>	<ul style="list-style-type: none"> <li>• Modem Mesh 2.4Ghz/ 915Mhz (SAR-2M/SAR2-P)</li> <li>• DC input 3.6-24V.</li> <li>• 1 X Dry contact input.</li> <li>• 1 X relay output DRY CONTACT 5A \ 16A SSR.</li> <li>• 1 X AC\DC line sense (isolated)</li> <li>• 1 X 0-10V</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 85-265VAC 50 /60 Hz</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>