

SAR-1X

PRODUCT SPECIFICATION





SAR-1X series is a Point to point, best of the art symmetric wireless communication device,

Working at 915/866 MHz, Battery operation.

Features:

1. Reading any PULSE meter (Dry contact) interface in the market.
2. Door alarm function.
3. Device communications fail indication.
4. Temperature sensor on board.
5. 1 input A/D, to read analog sensors.
6. 12V power output to drive water valve or gas valve.
7. 1 x AC/DC line inputs - to monitor high voltage lines.
8. Long battery life more then 7 years
9. alarms indication:

Communication meter fail.

Battery fail,

Power fail,

Sensor alarm,

Temp alarm



Product specification

<p>Radio</p> <p>SAR- 1 (866/915Mhz) – Point to point communication.</p>	<ul style="list-style-type: none"> • Spread Spectrum (DSSS) technology • Maximum Power 20 dbm • Receive sensitivity -114dbm • Antenna Connection SMA or internal PCB • LOS 25Km (antenna 2dbi) (only in SAR-2P). • Secure communication AES128
<p>Hardware Interface</p>	<ul style="list-style-type: none"> • Modem 866/ 915Mhz • DC input 3.6-24VDC • 1 X Dry contact input. • 1 X relay output(latch relay 12V) • 1 X AC\DC line sense (isolated) • 1 X A/D input
<p>Power</p>	<ul style="list-style-type: none"> • Battery 2 x AA size 3.6V
<p>Environmental</p>	<ul style="list-style-type: none"> • -40° – 85° degree • Humidity 0 – 96% • Compliance to IEC6100 • IP 55
<p>Approval</p>	<ul style="list-style-type: none"> • FCC 47CFR Part 15