Product description:
S05-R router is a signal and network extender used to create or expand wireless ZigBee network, which allowing seamless communication between ZigBee enabled devices. Simply plugs S05-R router into a standard power outlet for quick and easy deployment. Once set up, the unit acts as a routing node that providing users with expanded network range and adding redundancy to a mesh network.

Features & Benefits
- Simple, secure, and cost-effective solution for transmitting data from NHR devices that are too far away from the receiver or whose signal is blocked by an obstruction or interferences
- Automatically determines the best path to deliver node data back to the receiver
- Improves the reliability and redundancy of data node networks
- 300m/ 984ft wireless transmission range
- Fitted with UV protection and IP66 Water and dust proofing to protect against the elements

Specifications
- Transmitting Protocol: Modbus RTU/ ZigBee: HA profile
- Wireless Protocol: IEEE 802.15.4, ZigBee2007/PRO
- Transmission Range: Up to 300 meters/ 984 feet
- Operating Frequency: 2.4 GHz ISM Band
- RF Output Power: 18 dBm
- Receiver Sensitivity: -92 dBm
- Waterproof level: IP66
- Power Consumption: 0.3W

Network Topology
- Star/ Tree/ Mesh

Power Supply
- DC 5V

Operating Environment
- -10°C ~ 50°C / 14°F ~ 121°F, 0-95% RH

Dimensions
- 13(H) x 5(ψ) cm
- 5.1(H) x 1.9(ψ) inches

Weight
- 130.8 g / 4.61 oz

Certifications
- CE/ FCC

Product Range & Accessories

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<tr>
<th>Solution</th>
<th>Model No.</th>
<th>Description</th>
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<td>End Device</td>
<td>S05-R</td>
<td>Wireless Analog Input 4~20mA transmitter</td>
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<tr>
<td>Relay Router</td>
<td>A08</td>
<td>Wireless Power Meter Actuator</td>
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<td>Router</td>
<td>WZB-01USB</td>
<td>DC 5V Adapter</td>
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<tr>
<td>Router</td>
<td>WZB-02485R</td>
<td>DC 6 ~ 24V by terminal block</td>
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<tr>
<td>Gateway</td>
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<td>Cloud</td>
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S05-R
ZigBee Wireless Router