**Mx-RS2**
Room Temperature / Humidity Sensor

**Application**
Solar-powered sensors, with an intelligent transmission management, are used to measure the room temperature and room rH, and transmit this information wirelessly using the non-proprietary EnOcean wireless protocol. Special indoor solar cells collect the power required for operation and data transfer from ambient light. In unlit periods, maintenance-free gold-cap capacitors continue to feed the transmitter. The wireless transmission technology gives you a great deal of freedom in choosing the installation location.

**Technical Specifications**

| Part Numbers (Frequency Dependent) | M9-RS2 (Long Range 902 MHz - North America)  
|                                    | M8-RS2 (Standard Range 868 MHz - Europe and China)  
|                                    | MJ-RS2 (Standard Range 928 MHz - Japan)  
| Power Supply                       | Solar-powered via internal energy storage unit  
| Protocol                           | Wireless EnOcean Telegram  
| Profile                            | EEP A5-02-05 (Temperature Sensor)  
|                                    | EEP A5-04-01 (Temperature / Humidity Sensor)  
| Transmission Range                 | Standard: Approximately 100 ft (30m) depending on building structure  
|                                    | Long Range: Approximately 1600 ft (487 m) LINE OF SIGHT  
|                                    | NOTE: Range can vary greatly based on building materials, device positioning, interference, etc. Reference the EnOcean Range Planning Guide prior to installation.  
| Duty Cycle                         | < 0.4%  
| Transmission Interval              | Configurable in AirConfig. The default is based on change of value or every 15 minutes.  
| Transmission Power                 | < 10mW  
| Darkness Reserve                   | Up to 100 hours  
| Illumination Strength              | Min. 150 lx, constant  
| Temperature Measuring Range        | 32°F to 104°F (0°C to 40°C)  
| Temperature Accuracy               | ±0.5°F (0.3°C)  
| Temperature Repeatability          | ±0.18°F (0.1°C)  

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**Technical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Temperature Long Term Drift</td>
<td>&lt; 0.02 / year</td>
</tr>
<tr>
<td>Humidity Accuracy</td>
<td>±3.0% rH</td>
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<tr>
<td>Humidity Repeatability</td>
<td>±1.0% rH</td>
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<tr>
<td>Humidity Long Term Drift</td>
<td>&lt;0.25% rH / year</td>
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<tr>
<td>Ambient Conditions</td>
<td>32°F to 122°F (0°C to 50°C)</td>
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<td>Housing</td>
<td>UL94 5 VA Rated ABS</td>
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<tr>
<td>Certifications</td>
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<td>FCC (Standard Range United States) SZV-TCM3XXX</td>
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<td></td>
<td>FCC (Long Range United States) 2ANUH-LSTM300U</td>
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<td>IC (Canada) 5713A-TCMXXX</td>
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<td></td>
<td>CE</td>
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</table>

**Installation Information:** Be sure to choose a proper installation location based on EnOcean Range Planning Guide.

Attach the mounting / back plate to the desired wall location with provided wall anchors.

Once back plate is mounted, attach the face plate and affix security screw to the bottom.

Your device is now successfully mounted to the wall.

**NOTE:** ADHESIVE PAD ON THE BACK OF MOUNTING PLATE IS FOR INSULATION PURPOSES ONLY. NOT FOR MOUNTING!

**Dimensional Line Drawings**