UltraSync™ Modular Hub Wireless Expansion Module

UM-W7

OVERVIEW

The UltraSync Modular Hub Wireless Expansion Module provides wireless 319.5 MHz sensor and keyfob capabilities to the UltraSync Modular Hub.

A single wireless module can support up to 192 wireless sensors and 64 keyfobs.

Multiple wireless receivers can be enrolled in the system to provide exceptionally large coverage capabilities and/or redundant reception for high-reliability installations.

Sensors are learned into the panel, not an individual receiver, for simplified installation, while “Smart Receiving” technology delivers the reliability and performance security dealers demand. In addition, two hardwired zones and one programmable relay are available for extra convenience.

STANDARD FEATURES

• Designed exclusively for the UltraSync Modular Hub
• Supports 192 wireless sensors and 64 keyfobs
• Simple installation
• 319.5 MHz sensor and keyfob support
• Wall and cover tamper
• Two hardwired zones
• One programmable relay output
• Bus connected
# UltraSync™ Modular Hub Wireless Expansion Module

**UM-W7**

## Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>UltraSync Modular Hub</td>
</tr>
<tr>
<td>Voltage</td>
<td>7.75 – 15 VDC</td>
</tr>
<tr>
<td>Current* Average</td>
<td>40 mA (relay inactive)</td>
</tr>
<tr>
<td>Maximum/Alarm</td>
<td>65 mA (relay active)</td>
</tr>
<tr>
<td>Sensor Capacity***</td>
<td>192</td>
</tr>
<tr>
<td>Keyfobs</td>
<td>64</td>
</tr>
<tr>
<td>Hardwired Zones</td>
<td>2</td>
</tr>
<tr>
<td>Relays</td>
<td>1</td>
</tr>
<tr>
<td>Data Bus</td>
<td>Encrypted RS-485 Supports length up to 2,600 ft. (800 m)</td>
</tr>
<tr>
<td>Screw Terminals</td>
<td>Accepts 16 – 30 AWG</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>3.74 x 6.10 x 1.02 in. (95 x 155 x 26mm)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-30° to 140°F (-34° to 60°C)</td>
</tr>
</tbody>
</table>

## Operating Temperature

<table>
<thead>
<tr>
<th>Installations</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-UL/ULC Installations</td>
<td>14º to 131ºF (-10º to 55ºC)</td>
</tr>
<tr>
<td>UL/ULC Installations</td>
<td>32º to 120ºF (0º to 49ºC)</td>
</tr>
</tbody>
</table>

## Relative Humidity

<table>
<thead>
<tr>
<th>Installations</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-UL/ULC Installations</td>
<td>95% noncondensing</td>
</tr>
<tr>
<td>UL/ULC Installations</td>
<td>85% noncondensing</td>
</tr>
</tbody>
</table>

## Approvals/Listings

- FCC/IC
- UL-609 (Local burglar alarm units and systems)
- UL-636 (Holdup alarm units and systems)
- UL-365 (Police-connected burglar alarm units and systems)
- UL-3655 (Household fire warning systems)
- UL-1023 (Household burglar alarm systems)
- UL-1076 (Proprietary systems)
- UL-1610 (Central station burglar alarm)
- UL-1626 (Digital alarm communicator systems)
- UL-1637 (Home healthcare signaling equipment)
- CA State Fire Marshal (CSFM)
- ULC-S303 (Local burglar alarm units and systems)
- ULC-S304 (CMS burglar alarm units)
- ULC/ORD-C1023 (Household burglar alarm units and systems)
- ULC-S545 (Residential fire)
- ULC/ORD-C1076 (Proprietary systems)
- SIA CP-01 2014

## Ordering Information

**UM-W7** UltraSync Modular Hub Wireless Expansion Module

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*If hardwired sensor(s) are powered, from the UM-W7, sensor current must be included in the power budget calculations.*

**If relay is not programmed/active, current can be de-rated 25 mA. If positive switching is utilized, additional current draw of connected load must be included in power budget calculations.**

***Total panel capacity limited to 192 wireless sensors***

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*Delivering outstanding coverage, redundancy and flexibility.*

- Seamless integration
- Simple installation
- Large coverage area
- Wireless flexibility
- Wireless reception redundancy

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Specifications subject to change without notice.

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