Wireless Adapter (WA100-PM)

Daintree Wireless Solution

The **Wireless Adapter (WA100-PM)** is part of the Daintree product portfolio, an open networked wireless controls solution for lighting and building control, monitoring, and optimization. Daintree controls provide a highly scalable solution to address evolving environmental regulations and transform spaces into intelligent environments for buildings of all sizes.

Consisting of three components, Daintree includes sensors and controls at the edge, an open API cloud platform, and software apps to help facility managers make decisions based on how space and assets are actually being used using a data-rich sensor network. Benefits of adding wireless Daintree controls include:

- Up to 50% Energy savings across lighting, HVAC, plugload, fans and more
- Visibility into energy usage, trends and insights to optimize operations
- Automated demand response, superior comfort and lower maintenance expense

Product Overview

The **Wireless Adapter (WA100-PM)** is a control component within the Daintree wireless building controls platform, and is used to enable open, standards based ZigBee wireless control communications with a range of fixtures and other wired devices. The WA100-PM includes a 15A relay to switch ballasts/drivers and circuits, and provides 0-10V output to control one or more dimmable ballasts/drivers. It can also adapt low voltage occupancy sensors, photosensors, and wall switches/dimmers, enabling these devices to communicate wirelessly with the rest of the system. The WA100-PM provides added versatility with support for bi-level and alternate switching ballast configurations, as well as the ability to control an auxiliary relay or slave pack.

The WA100-PM also includes the capability to monitor and measure the energy consumption of the lighting load being controlled, whether it is an entire circuit or a single light.
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Warranty
Current offers a limited Warranty across its Daintree Portfolio. The table below summarizes the Warranty terms. For additional information, please review the Limited Warranty Document on the Daintree Homepage.

<table>
<thead>
<tr>
<th>Component</th>
<th>Warranty Period</th>
<th>Coverage Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daintree Software</td>
<td>1 year (IoT Cloud installed Software) Subscription term (SaaS) 3 years</td>
<td>GE warrants that as long as all applicable fees due are paid, Daintree Software will substantially conform to the applicable published documentation and published specifications for the Warranty Period.</td>
</tr>
<tr>
<td>System Controller</td>
<td>3 years</td>
<td>100% parts coverage. Warranty for non-Daintree software (such as operating system software) is provided by the respective software; GE makes no warranty with respect to non-Daintree software.</td>
</tr>
<tr>
<td>WACs</td>
<td>5 years</td>
<td>100% parts coverage</td>
</tr>
<tr>
<td>Wireless Adapters</td>
<td>5 years</td>
<td>100% parts coverage</td>
</tr>
<tr>
<td>Wireless Devices</td>
<td>5 years</td>
<td>100% parts coverage, excluding batteries</td>
</tr>
<tr>
<td>Wireless Thermostats</td>
<td>2 years</td>
<td>100% parts coverage</td>
</tr>
</tbody>
</table>

Specifications

- **Dimensions**: 1.18” H x 1.7” W x 9.33” D
- **Operating Environment**: -4°F to +149°F (-20°C to +65°C) Indoor use only (or inside non-metallic waterproof enclosure)
- **Indicators**: Green LED (power) Green LED (joined network) Red LED (error state)
- **Mounting**: Snap-in 1/2” nipple for junction box mount Screw tab and optional mounting bracket for in-fixture mount
- **Switched Output**: 15A @ 120-277 VAC
- **Power**: 120-277 VAC 50/60Hz
- **Power Consumption**: 0.54W @120V (Idle, Relay OFF) 0.82W @277V (Idle, Relay OFF) 0.96W @120V (Relay ON) 1.23W @277V (Relay ON)
- **Binary input (2)**: Active high (≥ 8.25V). Max 40V, Impedance –22k
- **Analog input (1)**: 0-10V, Max 24V, Input resistance –90K
- **Power Measurement**: 2% accuracy (0.03–15A range) Sampled every 150 sec Aggregated to 60 min intervals
- **Ballast/Driver Control**: On/Off 0-10V Dimming Bi-Level (Off, Medium, High) Alternate (Off, Low, Medium, High)
- **Low Voltage Output**: 24VDC; 75mA
- **Dimming Output**: 0-10V, 5mA (sink or source)
- **Aux Relay Control**: Yes (digital output); 75mA (max source, including attached sensors)
- **Radio Properties**: 2.4 GHz +8dBm transmit power
- **Compliance**: CSA certified, UL plenum rated FCC Part 15
- **Warranty**: 5 Years

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