

Wireless Adapter (WA100-PM)

Product Overview

The Daintree Networks WA100-PM Wireless Adapter (WA) is a control component within the ControlScope™ 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.



Wire Color	Application
HIGH VOLTAGE (AWG14)	
Black	Active
White	Neutral
Red	Switched
LOW VOLTAGE (AWG22)	
Red	24VDC
Black	Reference Ground (Digital)
Gray	Reference Ground (Analog)
Violet	0-10V Analog output
Orange	0-10V Analog input
Blue	Digital input
Yellow	Digital input
Green	Digital output (low side driver)

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 Power	15A @ 120-277 VAC 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)
Power Measurement	2% accuracy (0.03~15A range)
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

Specification Data	
Job Name	
Job #	
Catalog #	
Comments	

Product Number	Product Description
WA100-PM	Wireless Adapter with Power Monitoring