

# Daintree® Wireless Controls

## Wireless Fixture Adapter (WFA100-SN)

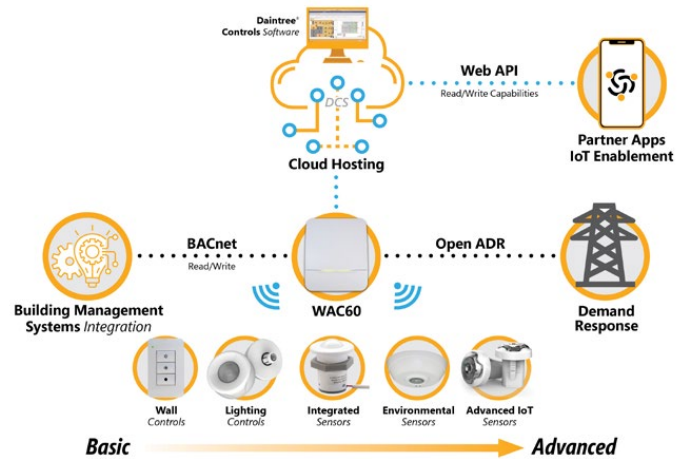
Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_



### Daintree® Networked Architecture



## Description

The **WFA100- SN** is a cost- effective wireless control solution, providing ON/OFF and 0- 10V dimming control of ballasts and LED drivers. The isolated relay offers N/O and N/C contacts providing robust switching options to control a variety of loads. Its compact form factor provides for simple installation and makes it an extremely versatile solution for a wide range of fixture types and sizes. It can also adapt low voltage occupancy and photo sensors to enable these devices to be controlled wirelessly.

The **WFA100- SN** integrates a standard ZigBee radio that operates seamlessly with other standard ZigBee wireless products to enable advanced lighting controls, from scheduling and occupancy control to daylighting, task tuning and more.

## Ordering Information

Product Code	Product Description
WFA100-SN	Daintree Networked Wireless Fixture Adapter with Sensor Inputs

WFA-100
Each terminal can accept one conductor only. Connect only one 24AWG to 16AWG (0.2 -1.5mm <sup>2</sup> ) wire to any terminal locations showing normal/emergency.



# Daintree® | Wireless Fixture Adapter (WFA100-SN)

## Warranty

Current offers 24 x 7 support with a 30-minute rapid response time for technical issues. The average tenure of Current's support is 10 years and a 93% overall satisfaction rating. The table below summarizes the warranty period for all components of the Daintree system.

Component	Warranty Period	Coverage Details
<b>Daintree Software</b>	1 year (IoT Cloud installed Software) Subscription term (SaaS) 3 years	Current 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.
<b>System Controller</b>	3 years	100% parts coverage. Warranty for non-Daintree software (such as operating system software) is provided by the respective software; Current makes no warranty with respect to non-Daintree software.
<b>WACs</b>	5 years	100% parts coverage
<b>Wireless Adapters</b>	5 years	100% parts coverage
<b>Wireless Devices</b>	5 years	100% parts coverage, excluding batteries.
<b>Wireless Thermostats</b>	2 years	100% parts coverage

Connectors (Terminal Block)	Function
<b>INPUT VOLTAGE</b>	
Black	Active
White	Neutral
<b>ISOLATED RELAY</b>	
Red	Analog Ground
Yellow	0-10V Analog output (dimming)
Black	Common
<b>SENSORS</b>	
Red	24VDC
Gray	Digital Ground
Blue	Digital input (occupancy sensor)
Orange	0- 10VDC Analog input (photo-sensor)
<b>DIMMING</b>	
Gray	Analog Ground
Violet	0- 10VDC Analog output

## Specifications

Dimensions (w/mounting)	1.18" W x 0.98" H x 7.03" L (30mm W x 25mm H x 178.5mm L)
Operating Environment	-13°F to +158°F (-25°C to +70°C) Indoor use only (or inside non-metallic waterproof enclosure)
Indicators	Green LED (power) Green LED (joined network) Red LED (error state)
Mounting	In-fixture/enclosure screw installation
Input Power	120-277 VAC 50/60Hz
Power Consumption	0.72W @120V (Idle, Relay OFF) 0.72W @277V (Idle, Relay OFF) 1.18W @120V (Relay ON) 1.18W @277V (Relay ON)
Occupancy Input	Active high (>= 8V). Max 40V, Impedance ~23K
Photo Sensor Input	0-10V, Max 24V, Input resistance ~9K
Isolated Relay	N/O and N/C contacts Zero Crossing
Load Rating	3A @ 120-277 VAC
Load Types	General Use, Electronic Ballast
Ballast/Driver Control	On/Off 0-10V Dimming
Low Voltage Output	24VDC; 35mA
Dimming Output	0-10V; 5mA (sink or source)
Slave/Power Pack Control	Yes (using isolated relay contacts)
Radio Properties	2.4 GHz +8dBm transmit power
Compliance	UL listed, FCC Part 15, RoHS
Warranty	5 Years

## WFA100-SN

**CAUTION**  
RISK OF EXPOSURE IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSAL OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

