

## Daintree®

### Wireless Sensor Adapter (WSA10)

The **WSA10** is a control component within the Daintree Networked wireless controls platform – the industry’s leading wireless controls solution for smart buildings, delivering dramatic energy savings and operational efficiency improvements in a simpler, more cost-effective way than ever before. The WSA10 enables open, standards based wireless control communications with a variety of sensor devices used in HVAC systems.

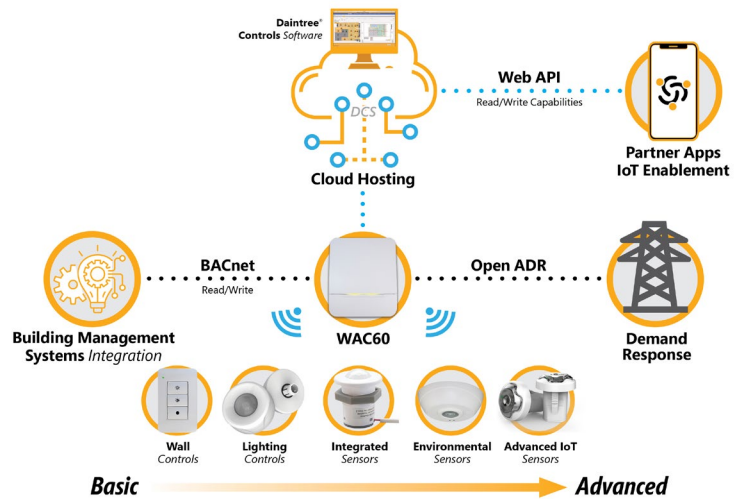


## DESCRIPTION

The WSA10 provides up to four (4) thermistor temperature sensor inputs, and up to two (2) 0-10V analog inputs suitable for a broad range of transducers, enabling wireless control and management of wired end-devices within the Daintree Controls Software web application.

- Cost-effective wireless sensor monitoring throughout the facility.
- Eliminate extensive wiring back to the thermostat controller or packaged unit.
- Continuous temperature logging with battery operation in the event of a facility power outage.

## DAINTREE NETWORKED ARCHITECTURE



## ORDERING INFORMATION

PRODUCT CODE	PRODUCT DESCRIPTION
WSA10	Daintree Networked Wireless Sensor Adapter

### ⚠ CAUTION

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

**CUSTOMER NAME**

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

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

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

**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.

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

CONNECTOR	CONNECTOR DESCRIPTION
<b>24 VAC/VDC+</b>	Input Power (+)
<b>24 VAC/VDC-</b>	Input Power (-)
<b>GND</b>	Reference Ground
<b>0-10V IN 1</b>	0-10VDC analog input #1
<b>0-10V IN 2</b>	0-10VDC analog input #2
<b>NTC IN 1+</b>	Thermistor Input #1
<b>NTC IN 1-</b>	Thermistor Input #1
<b>NTC IN 2+</b>	Thermistor Input #2
<b>NTC IN 2-</b>	Thermistor Input #2
<b>NTC IN 3+</b>	Thermistor Input #3
<b>NTC IN 3-</b>	Thermistor Input #3
<b>NTC IN 4+</b>	Thermistor Input #4
<b>NTC IN 4-</b>	Thermistor Input #4

**PRODUCT CERTIFICATIONS**



**SPECIFICATIONS**

<b>Dimensions (w/mounting):</b>	1.18" W x 0.98" H x 7.03" L (30mm W x 25mm H x 178.5mm L)
<b>Mounting:</b>	Wall, ceiling, enclosure screw mount
<b>Status Indicator:</b>	Green LED (power) Green LED (joined network) Red LED (error state; low battery)
<b>Warranty:</b>	5 Years

**POWER**

<b>Input:</b>	Voltage: 24V (AC/DC); Current: 10mA
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**INPUTS**

<b>Resistance:</b>	(4) Thermistor, 10K Type 2
<b>Voltage:</b>	(2) 0-10VDC
<b>Accuracy (Resistance):</b>	+/-0.5°C (-10°C to 45°C) +/-1°C (-30°C to 65°C)
<b>Accuracy (Voltage):</b>	+/-2% of span (without calibration)

**BATTERY BACKUP**

<b>Battery Type:</b>	(1) AA 3.6V lithium thionyl chloride Internal, non-field replaceable
<b>Operating Life:</b>	7 years or greater
<b>Battery Life:</b>	Min 5,000 hours (@ 25°C op. temp.) Backup operation only
<b>Temperature data logging storage:</b>	14 days; 5 min sampling interval Thermistor inputs only

**ENVIRONMENTAL**

<b>Operating Temperature:</b>	32°F to +122°F (0°C to 50°C)
<b>Relative Humidity:</b>	5% to 95%, non-condensing

**RADIO**

<b>Frequency:</b>	2.4 GHz
<b>Transmit Power:</b>	+8dBm

**COMPLIANCE**

<b>US:</b>	FCC Part 15
<b>Canada:</b>	IC