



# Central Base Station

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

## Product Overview

The Central Base Station site controller serves as the heart of your SimplySNAP solution. This network edge appliance provides quick browser-based access and local control of smaller systems with hundreds of devices.

Each SimplySNAP system includes a variety of Synapse-enabled devices that communicate with each other and the CBS to form a local mesh network. The CBS monitors, controls, and automates critical devices to save energy across different types of systems.

For managing larger sites or multiple locations, SimplySNAP cloud applications<sup>1</sup> are available to consolidate multiple site controllers into a single user interface for integrated management across installations with thousands of devices.

## Features

- IP65 rated with built in surge protection
- Programmable push buttons for manual control
- Multiple Zones, Behaviors, Events, and Schedules
- Built in Wi-Fi for local wireless access
- Ethernet port and cellular for network connectivity
- AES 128-bit encryption
- Optional Cloud and Remote Access services available<sup>1</sup>
- BMS and other system integration options
- Energy saving features to help meet regulations and qualify for rebates
- Energy management cloud applications<sup>1</sup> gather data from site controllers to generate energy reports about your facility and equipment



Product #	Description
CBSSW-450-002	SS450-based Model w/ 5-button switch

<b>Dimensions</b>	12.6" x 10.6" x 7.6" (320 x 270 x 193 mm)
<b>Input Power</b>	Outdoor rated power supply 110-277VAC; 11W max, 6kV surge protection
<b>Operating Environment</b>	Outdoor rated at -40°C to +54°C, IP65 (when latched)
<b>Cellular</b>	Verizon 4G LTE
<b>Wi-Fi</b>	802.11 b/g/n
<b>Radio</b>	SNAP 2.4GHz 802.15.4 Wi-Fi 2.4Ghz 802.11 b/g/n
<b>Certifications</b>	FCC/IC UL 60730-1 CSA E60730-1 ROHS 3:2011/65/EU(2015/863)
<b>Warranty<sup>2</sup></b>	5 Years

1. Cloud access and other applications sold separately, contact sales for details.

2. See [www.synapsewireless.com/warranty](http://www.synapsewireless.com/warranty) for warranty terms

To learn more, call or visit:  
[synapsewireless.com](http://synapsewireless.com)  
 (877) 982-7888

## Central Base Station - Hardware and Software Options

- External Antenna Kits- 20, 30, and 50 foot options
  - Dynamic Behaviors- Software license for sports lighting applications
- Please contact Sales for more details.

## Supported Synapse Devices:

- Embedded Lighting Controllers
- External Lighting Controllers
- Wireless Sensors - Photocell, Motion, and Environmental
- Wireless Network Repeaters
- Hardware interface devices for control of HVAC systems and other equipment
- Sensor interface devices for measurement from 4-20mA Sensors

## System Diagrams:

