



# SS420/SS450

## SimplySNAP On-Site Controller

| Specification Data |  |
|--------------------|--|
| Job Name           |  |
| Type               |  |
| Catalog #          |  |
| Comments           |  |

## Product Overview

The **SS420/SS450** site controller serves as the heart of your lighting solution, allowing local control without the internet using the Synapse SimplySNAP solution.

SimplySNAP is a wireless, on-site control solution for monitoring and controlling outdoor and indoor lights via a SNAP mesh network. SimplySNAP provides the flexibility to manage your lighting, your way, with system setup and configuration through a mobile-friendly Wi-Fi interface.

The system stores power data, zones, alarms, behaviors, and critical events locally for maintenance and troubleshooting; and provides municipal compliance via daily schedules, sensor controlled behaviors, and multiple dimming levels. With programmable schedules and easy setup, SimplySNAP is the perfect solution for remote sites or where internet is not desired.

**You just configure it and it runs.**

## Features

- No Internet Required
- No recurring software fee—buy once, use forever
- Multiple Zones, Behaviors, Events, and Schedules
- SimplySNAP creates a Wi-Fi connection to smart phone, tablet, or PC
- Optional SimplySNAP Remote Access (SSRA) service available
- Firmware Upgrades via USB Flash Drive
- Sunrise and Sunset Schedules driven by latitude and longitude
- Optional Cellular Connectivity (SS450)



**SimplySNAP Lighting  
On-Site Controller —  
No Internet Required**

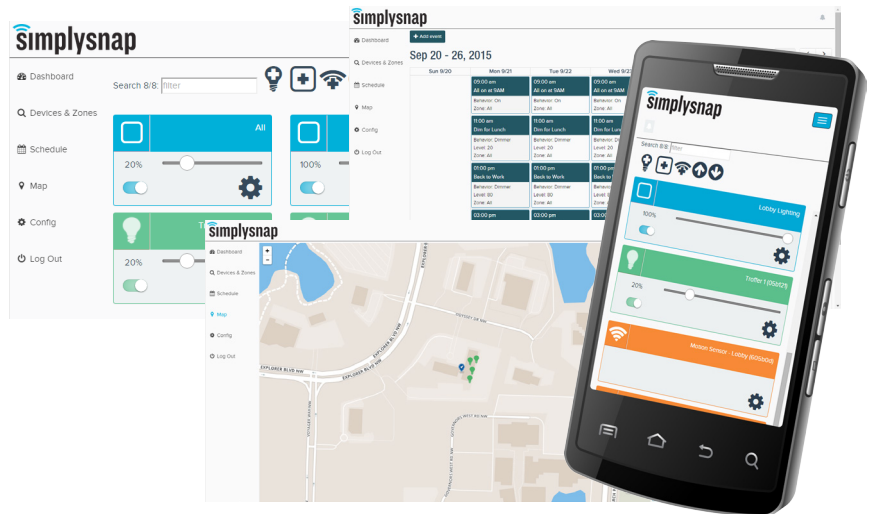
| Product # | Description                                               |
|-----------|-----------------------------------------------------------|
| SS420-002 | Wi-Fi enabled, Wall mount bracket                         |
| SS450-001 | WiFi and Cellular enabled, wall mount bracket; 3 antennas |

|                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Dimensions            | 6.8" L x 4.6" W x 1.4" H<br>(173mm L x 117mm W x 36mm H)<br>without antennas     |
| Operating Environment | -40°C to +70°C<br>Indoor Use or Outdoor with<br>Waterproof Enclosure             |
| Mounting              | DIN rail or Wall Mounted                                                         |
| Input Power           | 12-24V DC (Barrel and<br>Terminal Block Connectors)                              |
| Cellular              | Verizon 3G CDMA                                                                  |
| Wi-Fi                 | 802.11 a/b/g                                                                     |
| Radio                 | SNAP 2.4 GHz; 802.15.4<br>+20 dBm Transmit Power<br>-105 dBm Receive Sensitivity |
| Certifications        | FCC                                                                              |
| Warranty              | 5 Years                                                                          |
| Interfaces            | 1 USB Port for Software Updates<br>1 Ethernet Port for Wired Access              |

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

## Included with the SS420:

- 2 Antennas
- 1 Power Supply
- Mounting Template
- Terminal Block Connector  
(for alternate power connection)
- Quick Install Guide



## Included with the SS450:

- 3 Antennas
- 1 Power Supply
- Mounting Template
- Terminal Block Connector  
(for alternate power connection)
- Quick Install Guide

## Supported Wireless Controllers:

| Part #       | Description                                                                           |
|--------------|---------------------------------------------------------------------------------------|
| DIM10-087-00 | DC Power Light Controller                                                             |
| DIM10-100-00 | 120-277V, 2 Amp Relay, Terminal Blocks and Dimming                                    |
| LP150-001    | 120-277V, 3 Amp Relay, Flying Leads, and Dimming                                      |
| DIM10-250-11 | 120-277V, Power Monitoring, 5 Amp Relay, Cased, Sensor Input, Sensor Power Supply     |
| TL5-B1       | 100-277V, 5-pin Twist-lock, Power Monitoring, 5 Amp Relay, Integrated Photocell, IP66 |

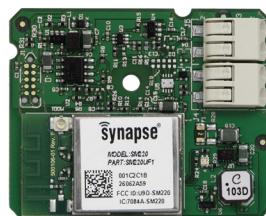
LP150-001



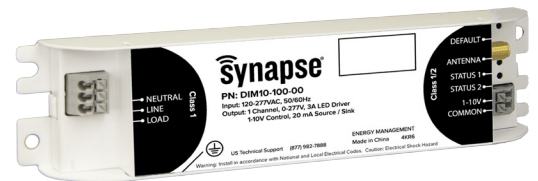
TL5-B1



DIM10-087-00



DIM10-100-00



DIM10-250-11

