



# SS420/SS450

## SimplySNAP On-Site Controller



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



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
- 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
- Sunrise and Sunset Schedules driven by latitude and longitude
- Optional Cellular Connectivity (SS450 only)
- REST API available for custom integration / management with 3rd party software

Product #	Description
SS420-002	Wi-Fi enabled, Wall mount bracket; 2 Antennas
SS450-002	WiFi and Verizon 4G LTE enabled, wall mount bracket; 4 Antennas

<b>Dimensions</b>	6.8" L x 4.6" W x 1.4" H (173mm L x 117mm W x 36mm H) without antennas
<b>Operating Environment</b>	-40°C to +70°C Indoor Use or Outdoor with Waterproof Enclosure
<b>Mounting</b>	DIN rail or Wall Mounted
<b>Input Power</b>	12-24VDC ( via Barrel Connector or Terminal Block Connector) Includes 100-240VAC, 15W AC adapter
<b>Cellular</b>	Verizon 4G LTE
<b>Wi-Fi</b>	802.11 b/g/n
<b>Radio</b>	SNAP 2.4 GHz; 802.15.4 +20 dBm Transmit Power -105 dBm Receive Sensitivity
<b>Certifications</b>	FCC, IC, CE (SS420 only), cULus
<b>Warranty</b>	5 Years

To learn more, call or visit:  
[synapsewireless.com](http://synapsewireless.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:

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

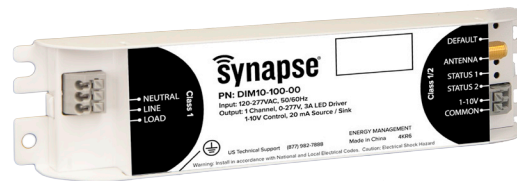
### Supported Wireless Controllers:

Part #	Description
DIM10-087-00	DC Power Light Controller
DIM10-100-00	120-277V, 2 Amp Relay, Terminal Blocks and Dimming
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

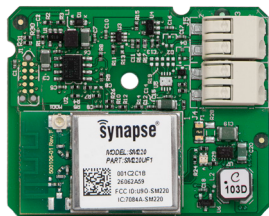
TL5-B1



DIM10-100-00



DIM10-087-00



DIM10-250-11

