



# LP150-001

## Wireless Lighting Controller

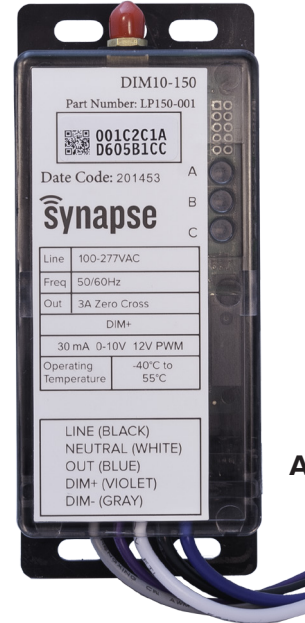
| Specification Data |  |
|--------------------|--|
| Job Name           |  |
| Type               |  |
| Catalog #          |  |
| Comments           |  |

### Product Overview

The **LP150-001** is a California Title 24 compliant lighting controller that is designed for both indoor and outdoor installations. This rugged controller is easy to install and supports 0-10V dimming.

### Features

- Small Footprint — great for embedding in fixtures
- Up to 80% Savings through smart dimming
- Excellent RF Range — 1 mile LOS between controllers
- Self-healing SNAP Mesh Networking
- Seamlessly integrates into the SimplySNAP lighting control solution
- True on/off functionality via switched relay
- Supports a wide range of LED drivers and fixtures
- Compact and rugged (IP65 enclosure)
- Flexible dimming and true on/off functionality
- Secure, over-the-air upgrades to support future enhancements
- Lights default to on for safety



**Antenna Required  
(Not Included)**

### Suitable for Indoor and Outdoor Installation

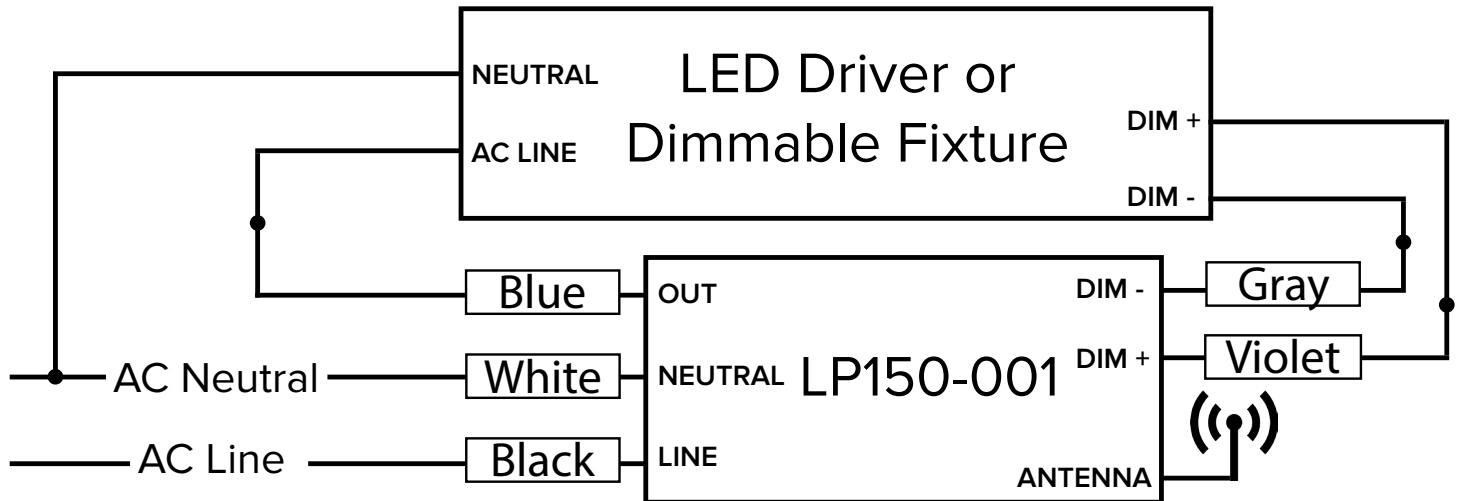
| Product # | Description                  |
|-----------|------------------------------|
| LP150-001 | Wireless Lighting Controller |

|                              |  |
|------------------------------|--|
| <b>Dimensions</b>            | 5.27" L x 2.3" W x 1.4" H<br>(134mm L x 59mm W x 36mm H)                         |
| <b>Input Power</b>           | 100 to 277 VAC (+/- 10%)<br>50/60 Hz   |
| <b>Operating Environment</b> | -40°C to +60°C   |
| <b>Switched Output</b>       | Default ON; Zero Crossing  |
| <b>Load Rating</b>           | 3A @ 100V to 277V (+/- 10%)  |
| <b>Dimming Control</b>       | 0-10V  |
| <b>Dimming Output</b>        | 30 mA (Max Source/Sink)  |
| <b>Radio</b>                 | SNAP 2.4GHz ; 802.15.4<br>+15 dBm Transmit Power<br>-103 dBm Receive Sensitivity |
| <b>Certifications</b>        | c(UL)us; FCC; IC   |
| <b>Warranty</b>              | 5 Years  |

Lighting Controllers

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

# LP150-001 Wiring Diagram



| Input Voltage |         | Dimming |                  |
|---------------|---------|---------|------------------|
| Black         | Hot     | Gray    | DIM-; DIM Return |
| White         | Neutral | Violet  | DIM+; 0-10VDC    |

| AC Load |                             | LED Indicators   |
|---------|-----------------------------|--|
| Blue    | Switched Hot for LED Driver |  |
|         |                             | A: Green: Relay Closed<br>Off: Relay Open<br>B: Green: Radio Traffic<br>C: Red: Software Malfunction |

## Antenna not included – RP-SMA Male

| Part #        | Description                                     | dBi    |
|---------------|---|--------|
| ANT-IAB-3.2-1 | Indoor, 2.4GHz, Articulating, Black             | 3.2dBi |
| ANT-IAB-2.0-1 | Indoor, 2.4GHz, Articulating, Black             | 2.0dBi |
| ANT-OSB-1.5-1 | Outdoor, 2.4GHz, Straight, Black, IP65          | 1.5dBi |
| ANT-ORB-1.5-1 | Outdoor, 2.4GHz, Fixed Right Angle, Black, IP65 | 1.5dBi |

## Fixture Antenna Kits

| Part #               | Description   |
|----------------------|---|
| GLP-KIT-ANT18-01     | Outdoor RH Antenna Kit, 18" Male to Male Coax Cable + Outdoor Right Angle Antenna + Female to Female 14mm Bulkhead with Nut + O-ring                      |
| GLP-KIT-ANT18-02     | Outdoor ST Antenna Kit, 18" Male to Male Coax Cable + Outdoor Straight Antenna + Female to Female 14mm Bulkhead with Nut + O-ring                         |
| GLP-KIT-ANT18-13-2.0 | Indoor Articulating Antenna Kit, 18" Male to Male Coax Cable + Indoor articulating Antenna 2.0dBi Gain + Female to Female 14mm Bulkhead with Nut + O-ring |
| GLP-KIT-ANT18-13-3.2 | Indoor Articulating Antenna Kit, 18" Male to Male Coax Cable + Indoor articulating Antenna 3.2dBi Gain + Female to Female 14mm Bulkhead with Nut + O-ring |