



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)**

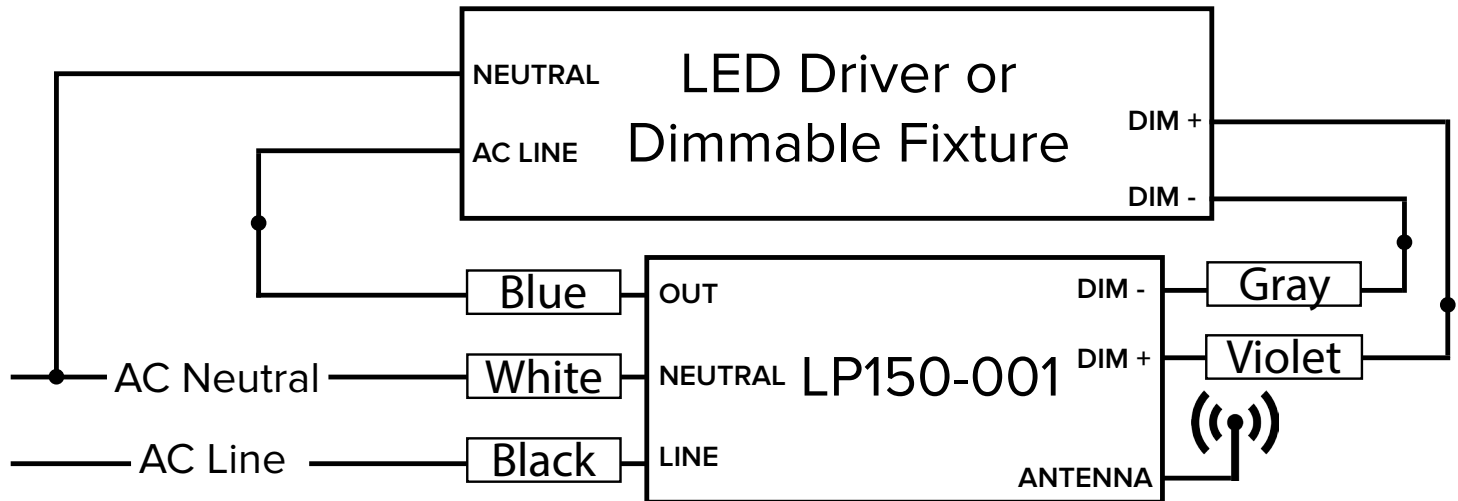
Suitable for Indoor and Outdoor Installation

Product #	Description
LP150-001	Wireless Lighting Controller

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

To learn more, call or visit:
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	A: Green: Relay Closed Off: Relay Open B: Green: Radio Traffic C: Red: Software Malfunction
Blue	Switched Hot for LED Driver		

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