Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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)**
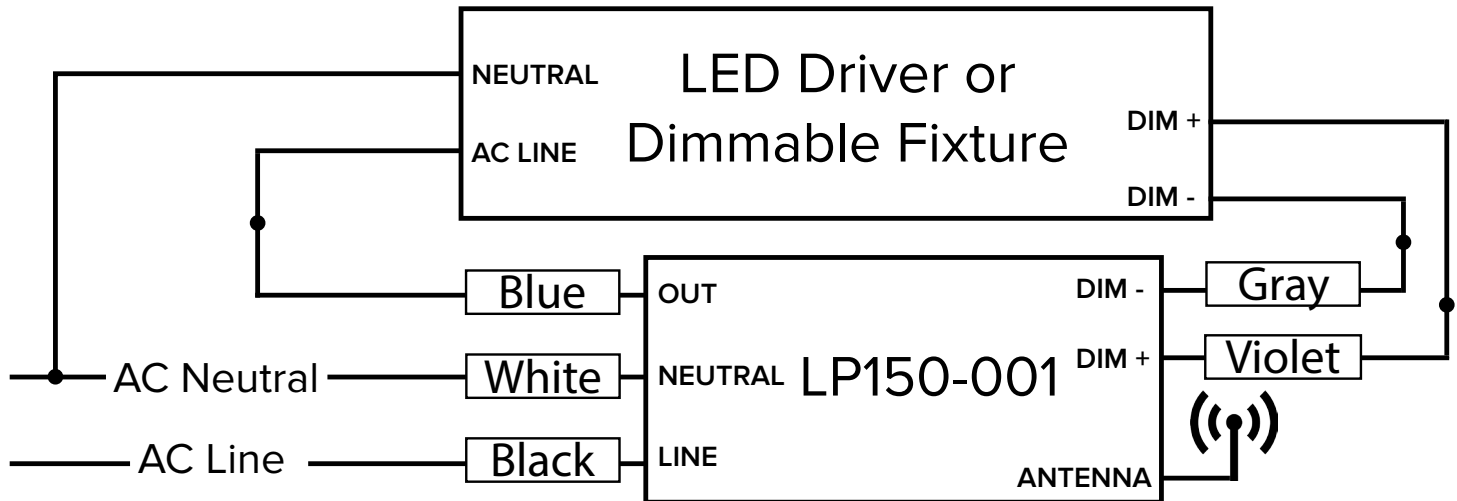
Suitable for Indoor and Outdoor Installation

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

LP150-001 Wiring Diagram

Input Voltage	
Black	Hot
White	Neutral

Dimming	
Gray	DIM-; DIM Return
Violet	DIM+; 0-10VDC

AC Load	
Blue	Switched Hot for LED Driver

LED Indicators	A: Green: Relay Closed Off: Relay Open B: Green: Radio Traffic 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

Lighting Controllers

synapse®