



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!



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DIM10-100-00

Wireless Lighting Controller



**Antenna Required
(Not Included)**

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

Product Overview

The **DIM10-100-00** is a California Title 24 compliant lighting controller that is ideal for indoor linear lighting fixtures. Its compact design provides a wide range of robust control features, including scheduling, dimming, and more.

Features

- Narrow Footprint — great for linear applications
- 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
- Supports a wide range of LED drivers and fixtures
- Compact and easy to install
- True on/off functionality via switched relay
- Secure, over-the-air upgrades to support future enhancements
- Lights default to on for safety

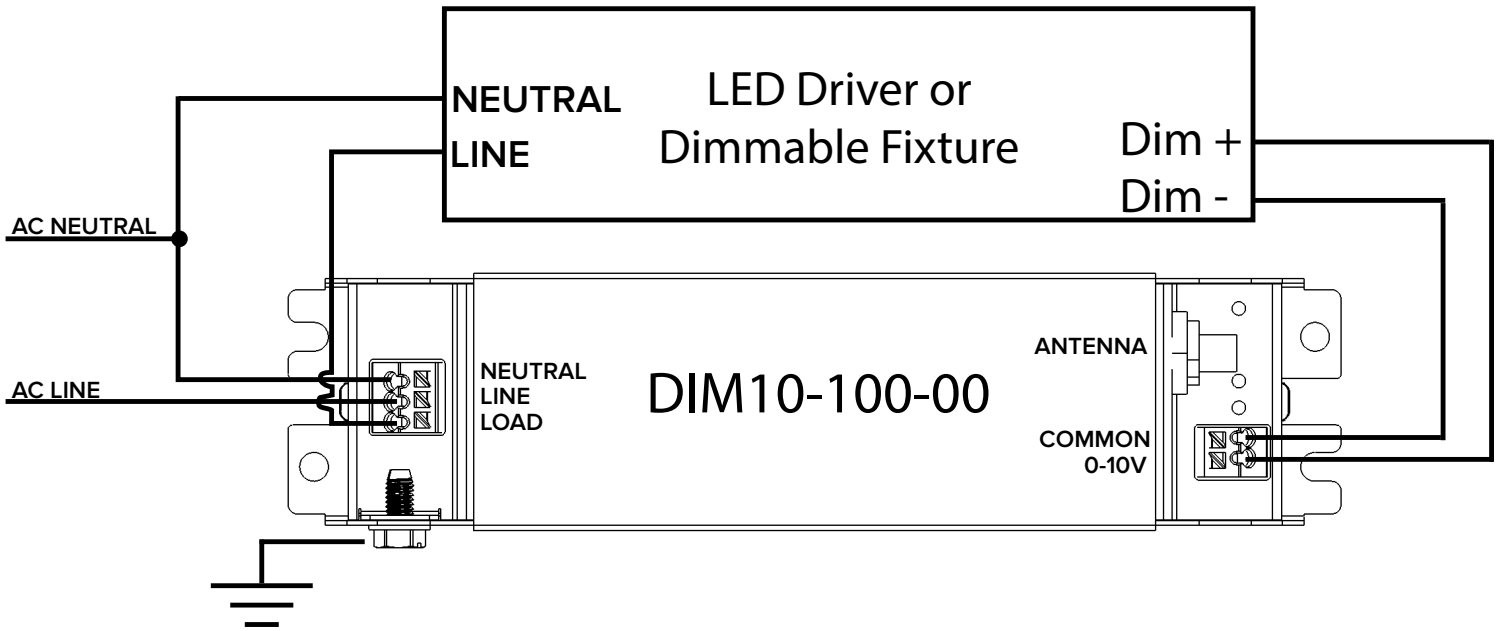
Designed for Linear Lighting Fixtures

Product #	Description
DIM10-100-00	Wireless Lighting Controller

Dimensions	7.1" L x 1.8" W x 1" H (181 mm L x 46mm W x 26mm H)
Input Power	100 to 277 VAC +/-10% (Max 305V) 50/60 Hz
Operating Environment	-20°C to +60°C
Switched Output	Default ON; Zero Crossing Switching
Load Rating	3A @ 100V to 277V (+/- 10%)
Dimming Control	0-10V
Dimming Output	Class 1/2 - 10 mA (Max Source/Sink)
Radio	SNAP 2.4GHz ; 802.15.4 +20 dBm Transmit Power -103 dBm Receive Sensitivity
Certifications	c(UL)us, FCC; IC, CE
Warranty	5 Years

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

DIM10-100 Wiring Diagram



Class 1 Terminal Block (accepts 12-28 AWG wires)	
Neutral	AC Return
Line	AC 100-277 Hot +/- 10%
Load	Switched AC Load

Class 1/2 Terminal Block (accepts 18-20 AWG wires)	
1-10V	Dim+
Common	Dim- (Do not connect to Earth GND)

LED Indicators	Power LED: Indicates Power On
	Two Status LEDs: Relay Status Tx/Rx Status

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-IAB-4.9-1	Indoor, 2.4GHz, Articulating, Black	4.9dBi
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 RA Antenna Kit, 18" Male to Male Coax Cable + Outdoor Right Handed 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