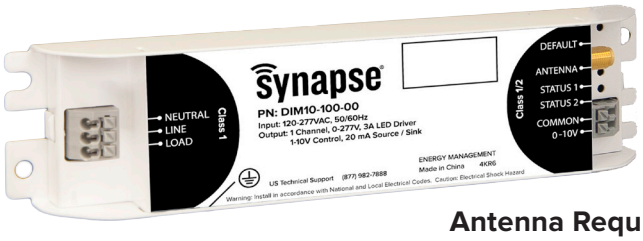
DIM10-100-00

Wireless Lighting Controller

Specification Data	
Job Name	
Type	
Catalog #	
Comments	



Antenna Required (Not Included)

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

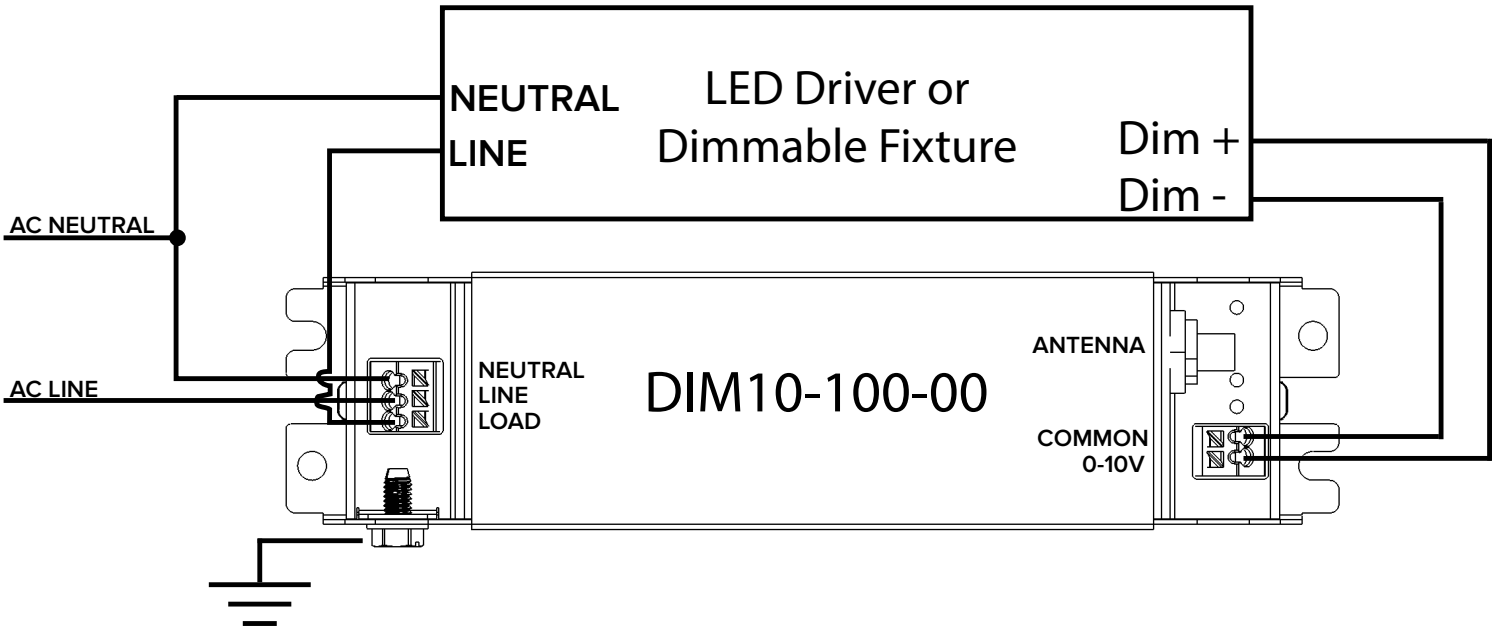
Product #	Description
DIM10-100-00	Wireless Lighting Controller

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

Lighting Controllers

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

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