DIM10-250-11

Wireless Lighting Controller

Antenna Required (Not Included)

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

Product Overview

The **DIM10-250-11** is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect up to two (2) sensors into the SimplySNAP wireless lighting solution.
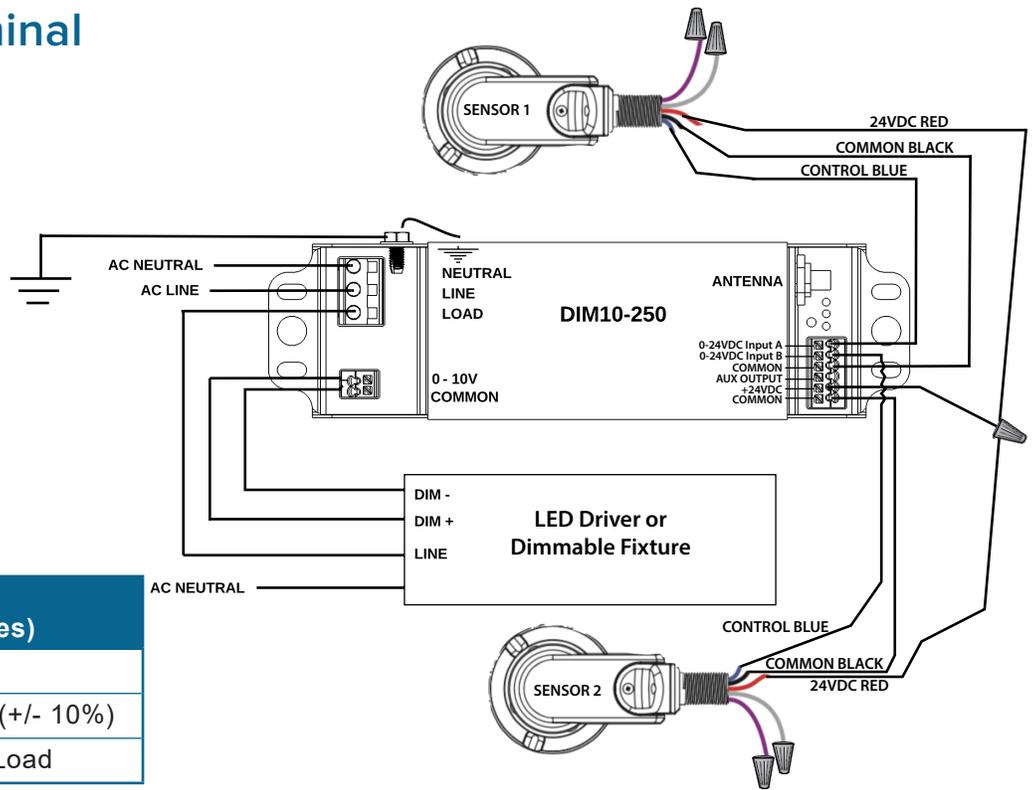
Features

- Utility Grade Power Monitoring
- Up to 80% Savings through smart dimming
- True On/Off functionality via switched relay
- Self-healing SNAP Mesh Networking
- Seamlessly integrates into the SimplySNAP lighting control solution
- Relay closes on power loss
- Supports a wide range of LED drivers and fixtures
- Class 1 / Class 2 0-10V Dimming Control
- Direct Connect up to two (2)to 24V Occupancy Sensors and Photocells (consult sales for compatible list)
- Secure, over-the-air upgrades to support future enhancements
- Excellent RF Range — 1 mile LoS between controllers
- Available in a metal cased version with quick connect terminal blocks
- Lights default to on for safety

Power Monitoring and Off-the-Shelf Sensor Integration

Order #	Description
DIM10-250-11	Wireless Lighting Controller with Power Monitoring and Sensor Input

Dimensions	8.2" L x 2.3" W x 1.3" H (209mm L x 59mm W x 33mm H)
Input Power	100 to 277 VAC +/- 10% (Max 305V) 47/64 Hz
Operating Environment	-40°C to +55°C
Switched Output	Default ON; Zero Crossing Switching
Load Rating	5A @ 100V to 277V (+/- 10%)
Dimming Control	0-10V
Dimming Output	Class 1/2 - 20mA Source Max / 50ma Sink Max
Radio	SNAP 2.4GHz ; 802.15.4 +20 dBm Transmit Power -103 dBm Receive Sensitivity
Power Monitoring	Utility Grade - 2% Accuracy
Power Readings	Voltage, Watts
Sensor Input	0 - 10V (photocell sensors) 0 - 24V (all other sensors)
Sensor Power Supply	24VDC @ 50mA
Certifications	c(UL)us, FCC, IC, CE
Warranty	5 Years

Lighting Controllers

DIM10-250-11 Terminal Block Wiring

Class 1 Terminal Block (accepts 12-28 AWG wires)

Neutral	AC Return
Line	100-277 VAC (+/- 10%)
Load	Switched AC Load

Class 1/2 Terminal Block (accepts 18-20 AWG wires)

1-10V	Dim+
Common	Dim-

LED Indicators	Power LED: Power On Status1 LED: Reserved for future use Status2 LED: Relay Status - On/Off

Class 2 Terminal Block (accepts 18-20 AWG wires)

0-24V Input	Sensor Input
N/C	Do not connect
Common	Sensor DC Return
N/C	Do not connect
+24 VDC	Sensor Power Supply
Common	Sensor Power Supply Return

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-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

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