

# DIM10-087-06-IP

D4i OR 0-10V DIM TO OFF WIRELESS LIGHTING CONTROLLER

Specification Data		
Job Name		
Туре		
Catalog #		
Comments		

### PRODUCT OVERVIEW

The DIM10-087-06-IP embedded wireless controller opens an exciting integration path for LED Luminaires. The smaller size and lower cost make this DC-powered wireless controller versatile enough to be embedded in nearly any wattage LED Luminaire.

Pairing the DIM10-087-06-IP with a SimplySnap Site Controller makes it easy to comply with ASHRAE 90.1, Title 24, DLC NLC Indoor/Outdoor, and other energy requirements today and in the future.

#### **KEY FEATURES:**

- Seamless SimplySnap Integration
- Simplified DC Design mates with LED Drivers
- Secure AES128 Encryption
- DLC Certification for both Indoor and Outdoor
- Self-healing 2.4GHz SNAP Mesh Networking
- Secure, over-the-air software upgrades
- 2 Sensor Inputs: DC Motion and 0-10V Photocells
- IP66 rated for indoor and outdoor applications

#### IEC 62386 DALI-2 Certified - D4i

- DALI-2 Certified DATA Bus Part 101
- D4i Power Monitoring Part 252
- D4i Type D Single-Master Controller Part 351
- DALI-2 Linear Dimming, ON/OFF Part 218
- Compatible with WattStopper DALI-2 FDP-301 Motion and Photocell
- RGBA Color Support
- Requires DALI Power Supply on D4i Driver
- · Requires D4i Aux Power Supply

#### **DIM to OFF LED Drivers**

- 0-10V Dimming, ON/OFF
- No Power Monitoring
- · Powered via LED Driver Aux Power

Note- LED Driver must support DIM to OFF functionality





#### Powered by SimplySnap

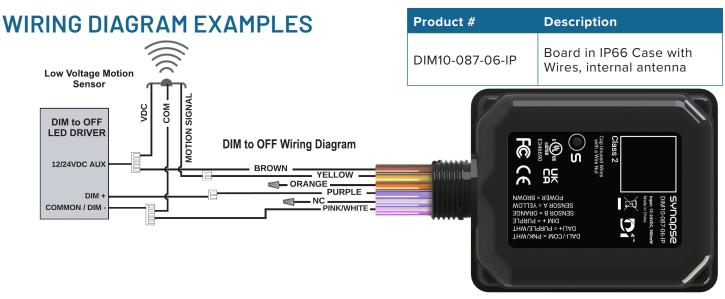
#### **Future D4i Enhancements**

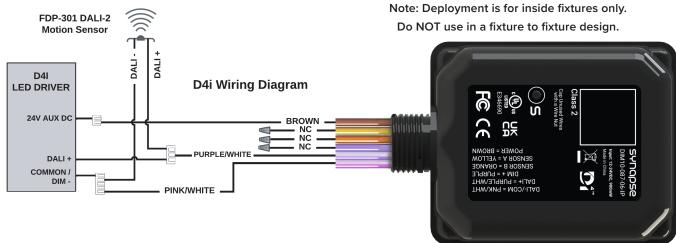
- Luminaire Run Time Part 253
- Luminaire Model Data Part 251 Memory Bank 1
- LED Driver Model Data Part 102 Memory Bank 0
- Surge Detection Part 253
- Over Temperature Counters Part 253
- Over Current Counters Part 253
- Diagnostics and Alerts Part 253

#### **SPECIFICATIONS**

Dimensions	3.7" x 2.8" x 0.9"  See Mechanical Datasheet for		
Dillielisions	Engineering dimensions		
Input Power	12-24 VDC +/- 10% , 900mW max		
Temperature	-40°C to +80°C		
IP Rating	IP66		
Wire Size	18AWG, 7" Wires, 600V		
Dimming	0-10V, 10mA Souce/Sink (Max) or D4i Dimming		
D4i LED Drivers <sup>1</sup>	Limited to 4 D4i LED Drivers		
Sensor Input Specifications	Analog: 0-10V Digital: 0-24V	Software selectable	
Radio	SNAP 2.4GHz ; 802.15.4 +20 dBm Transmit Power -103 dBm Receive Sensitivity		
Certifications	c(UL)us; FCC/IC; CE; UKCA; DLC- Indoor/Outdoor; DALI-2 - D4i Certification		
Warranty <sup>2</sup>	arranty <sup>2</sup> 5 Years		

- Maximum of 4 LED Drivers per controller, consult Synapse Support if a greater ratio is needed.
- See www.synapsewireless.com/warranty for warranty terms





## Status LED- when powered

Color	Meaning
RED	No Network Found (Communication Lost)
BLINKING GREEN	Network Found, Controller Not Configured (Device not yet added to SimplySnap)
GREEN	Network Found, Controller Configured (Normal Operation)

# Signal/Wire Colors

Signal	Wire Color	
DALI-/COMMON	PINK/WHITE STRIPE	
DALI+	PURPLE/WHITE STRIPE	
DIM+	PURPLE	
SENSOR INPUT B	ORANGE	
SENSOR INPUT A	YELLOW	
POWER	BROWN	

Note: Cap Unused Wires with a Wire Nut!

## SimplySnap Site Controller options- required for all deployments

Part #	Description	Application
SS450-002	SimplySnap, WiFi, Verizon LTE, Industrial Metal Enclosure	Indoor
CBSSW-450-002	Central Base Station SS450-based Model with 5-button switch and NEMA 4X enclosure	Indoor/Outdoor

Patented - Virtual marking at https://www.synapsewireless.com/about/patents

