Specification Data

Job Name	
Type	
Catalog #	
Comments	

PRODUCT OVERVIEW

The DIM10-087-06-F3W 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-F3W 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.
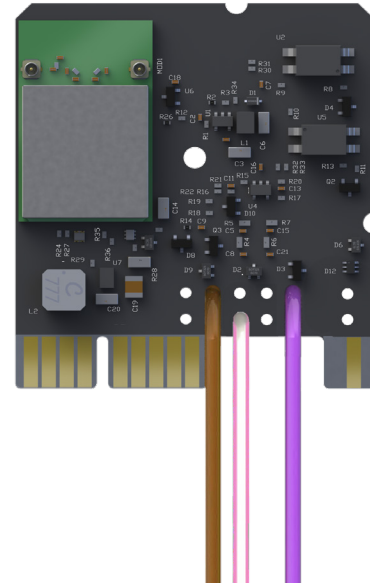
Powered by SimplySnap

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

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

Dimensions	See Mechanical Datasheet for Engineering dimensions
Input Power	12-24 VDC +/- 10% , 700mW max
Temperature	-40°C to +80°C
Dimming	0-10V, 10mA Souce/Sink (Max)
Wire Size	18 AWG, 8" Wires, UL 1316 rated, 600V rated
Radio	SNAP 2.4GHz ; 802.15.4 +20 dBm Transmit Power -103 dBm Receive Sensitivity
Certifications	UL Recognized Component; FCC/IC; CE; UKCA; DLC- Indoor/Outdoor
Warranty[1]	5 Years

1. See www.synapsewireless.com/warranty for warranty terms

LIGHTING CONTROLLER

WIRING DIAGRAM EXAMPLES

Product #	Description
DIM10-087-06-F3W	Bare Board, Internal antenna, fly wires included Dimming only

DIM to OFF Wiring Diagram

Note: Deployment is for inside fixtures only.
Do NOT use in a fixture to fixture design.
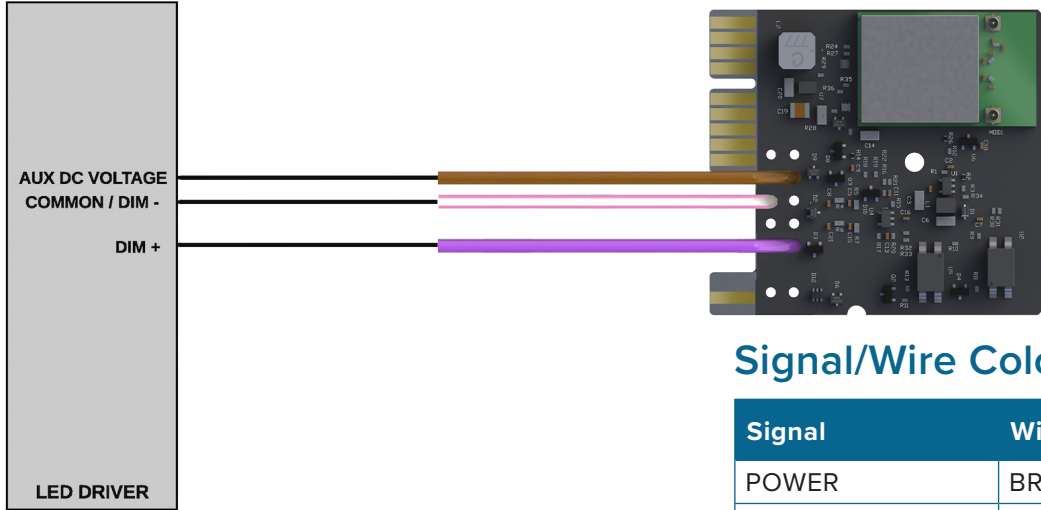
Signal/Wire Colors

Signal	Wire Color
POWER	BROWN
COMMON/DIM-	PINK WITH WHITE STRIPE
DIM+	VIOLET

Status LEDs

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)

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

LIGHTING CONTROLLER

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

SYNAPSE