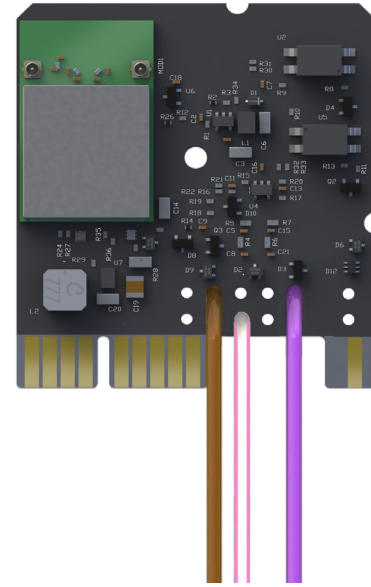


Specification Data	
Job Name	
Type	
Catalog #	
Comments	

## 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

<b>Dimensions</b>	See <a href="#">Mechanical Datasheet</a> for Engineering dimensions
<b>Input Power</b>	12-24 VDC +/- 10% , 900mW max
<b>Temperature</b>	-40°C to +80°C
<b>Dimming</b>	0-10V, 10mA Souce/Sink (Max)
<b>Wire Size</b>	20 AWG, 8" Wires, UL 1015 rated, 600V rated
<b>Radio</b>	SNAP 2.4GHz ; 802.15.4 +20 dBm Transmit Power -103 dBm Receive Sensitivity
<b>Certifications</b>	UL Recognized Component; FCC/IC; CE; UKCA; DLC- Indoor/Outdoor
<b>Warranty<sup>1</sup></b>	5 Years

1. See [www.synapsewireless.com/warranty](http://www.synapsewireless.com/warranty) for warranty terms

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

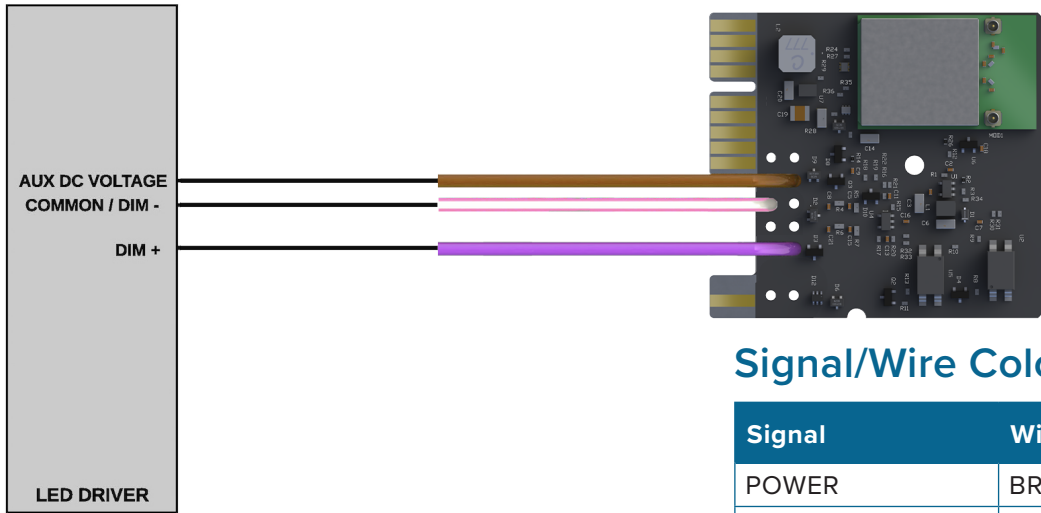


# WIRING DIAGRAM EXAMPLES

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

LIGHTING CONTROLLER

## 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

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