



THE ENERGY OF THINGS

AM-DCDIM LOW VOLTAGE DIMMER

v1.0



PRODUCT OVERVIEW

The Amatis DCDIM low voltage dimmer controls light fixtures with 0-10VDC control or PWM constant voltage control. Designed specifically for LED fixtures, the DC-DIM adds 6LoWireless™ communications, data monitoring, and dimming control to any light fixture or lighting zone. The DCDIM communicates via wireless mesh network, automatically linking with motion and daylight sensors, wireless switches, and other devices that can be individually addressed by the Amatis Control App. DCDIM transmits performance data for system-wide monitoring, troubleshooting, and energy metering, accessible directly from the Amatis web-based Energy Dashboard. DCDIM is designed to work with nearly any third-party light engine, driver, or ballast.

TECHNICAL SPECIFICATIONS

Electrical:

- Input Voltage – 24VDC
- Input Current – 5A max for PWM dimming
- Inrush Current – 0A
- Control Outputs – 0-10VDC & 1-10VDC sink/source
- Control Outputs – PWM for Constant Voltage

Mechanical:

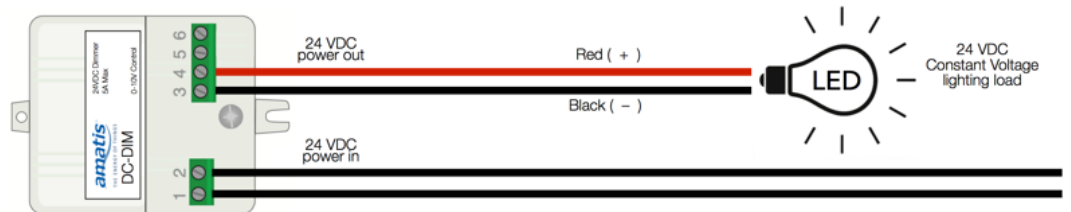
- Enclosure – W=2" L=2.25" H=0.875
- Fixing Center – 2.625"

Communication:

- 2.4GHz IEEE 802.15.4
- Routing Protocol – 6LoWPAN
- Range – 100ft to the nearest node
- Antennae – Both ceramic and whip for diversity

WIRING DIAGRAMS

0-10VDC CONTROL



CONSTANT VOLTAGE PWM CONTROL

