Wattstopper®

Low Voltage Momentary Switch - Miro Decorator Style with LED

No: 24620 – 09/16 rev. 1

Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

Catalog Number • Numéro de Catalogue • Número de Catálogo: DCC2

Country of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China

DESCRIPTION AND OPERATION

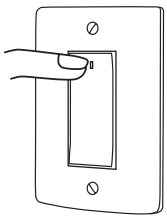
The DCC2 Low Voltage Switch is designed to momentarily change the state of a low voltage, high-impedance input. It is styled to match Miro Decorator wall devices. It has a neutral-rest position paddle that provides two-button momentary switch functions and an integral LED.

SPECIFICATIONS

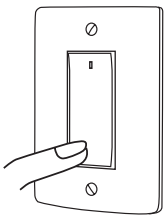
Voltage .....12VAC/VDC, 24V Rectified, 24VAC/VDC
Rating .....50mA Max.

Buttons

Pressing either the top of the paddle (LED end) or bottom of the paddle operates the associated button and its momentary contact. Contacts are normally-open, allowing switch COMMON to remain uninterrupted when the button is at rest. Activating the button creates contact closure, to provide a momentary low or high input signal, depending upon the COMMON wire confi guration. Contacts are rated at 24VAC/VDC, 50 mA, and 500mΩ resistance when closed.



Activates momentary output associated with Top button. Note the LED at the top of the paddle.



Activates momentary output associated with Bottom button.

Indicator & Pilot Light

The DCC2 assembly contains an LED which can function as either a locator or a pilot light. This LED illuminates when the COMMON (White) wire is at a negative (GND) potential, and the LED+ (Yellow) wire is at a positive (+24V) potential. It will also work if the polarity is opposite, meaning the COMMON wire is at a positive (+24V) potential, and the LED+ wire is at a negative (GND) potential.

Wires

There are four 22AWG flying leads on the DCC2 switch. Each wire is explained in the following table. Examples of application wiring are shown on the next page.

INSTALLATION

WARNING: TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE WIRING.

For ease of installation, manufacturer recommends use of a deep wall box.

1. Disconnect power to circuit by turning circuit breaker **OFF** before installation.

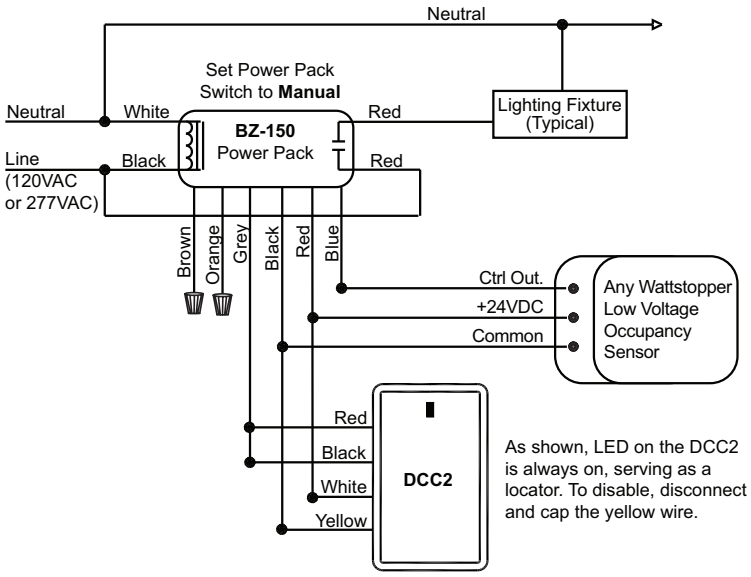
INSTALL IN COMPLIANCE WITH ALL APPLICABLE CODES & STANDARDS.
Failure to follow these instructions may cause personal injury or equipment damage.

2. Connect wires as appropriate for your application. See application wiring diagrams on next page. Flying leads from the DCC2 are stranded 22AWG.
3. Attach the wall plate.
4. Switch the circuit breaker **ON**.
5. Make sure the LED on the DCC2 responds as expected for your wiring application.

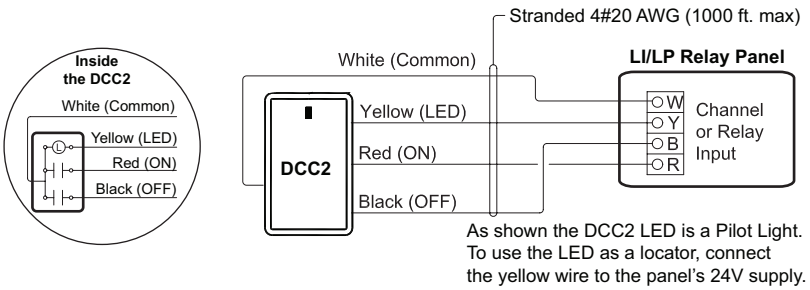
Wire Color	Signal	Description	Rating
WHITE	COMMON	Sensor applications: provide positive or negative potential for buttons and LED +. Panel applications: provide negative potential for buttons and LED+.	+/- 24V
YELLOW	LED+ (24V)	Provides positive or negative potential for powering indicator lights.	+/- 24V
RED	Top Button	Top button.	24V, 50mA
BLACK	Bottom Button	Bottom button.	24V, 50mA

APPLICATION WIRING DIAGRAMS

Manual On with DCC2/Automatic Off with a Sensor



Manual Control for a Lighting Panel Channel or Relay



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800.879.8585
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