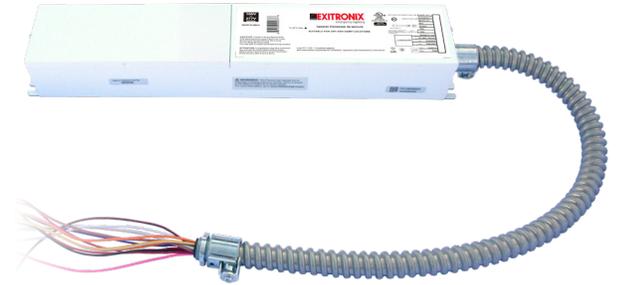


The MI-50 delivers power to any fixture (any tech type) in emergency mode for 90 minutes at 50W. The MI Series is designed to function in conjunction with the existing building electrical system to provide back-up power protection and distribution for lighting loads and other critical loads in the event of utility power failure. The MI-50 can support one luminaire rated for 320W or multiple fixtures whose system wattage adds up to 320W in nominal operation. In the event of a power failure, all connected fixtures are powered at full output providing brighter illumination for a clear path of egress.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____

SPECIFICATIONS

- Capacity:** 50W
- Input Voltage / Frequency:** 100-277VAC, 50/60Hz
- Input Current:** 0.2A
- Input Power:** 20W
- AC Load Input Power:** 320W Max. when using 0-10V dimming
50W Max. when 0-10V dimming is not used
- Standby Input Power:** Meet CEC
- Driver Type:** Limit Max Power
- Output Power:** 50W Max. (100VA Max.)
- Output Voltage Range:** 120/220/260VAC Auto Select, 60Hz.
- Load Power Factor Range:** 50W Load, PF>0.55
- Number of Output Channels:** 1 Channel
- RFI/EMI:** FCC Part 15A Non-Consumer
- Output Type:** Isolated
- Battery Type:** LiFePO4
- Battery Capacity Available:** 7200mAh
- Battery Recharge Time:** 12 Hours
- Battery Discharge Time:** 90 Minutes Min.
- Test Switch Wire Length:** 23" (584.2mm)
- Test Switch Remote Monitoring Distance:** 65.6' (20m) Max.
- Remote Mounting Distance:** Up to 164' (50m) with 18AWG
- Input Surge Protection:** 2.5kV Ring Wave, Under Voltage Protection, Overload Protection, Short Circuit Protection
- Operating Temperature:** 0°C to 50°C (32°F to 122°F)
- Sound Rating:** A
- Service Life:** 50,000 hours
- Listings:** UL 924 Listed, CSA C22.2 NO.141-10/cUL, CEC, RoHS, IP20



WARRANTY

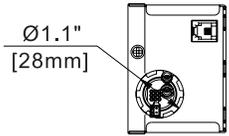
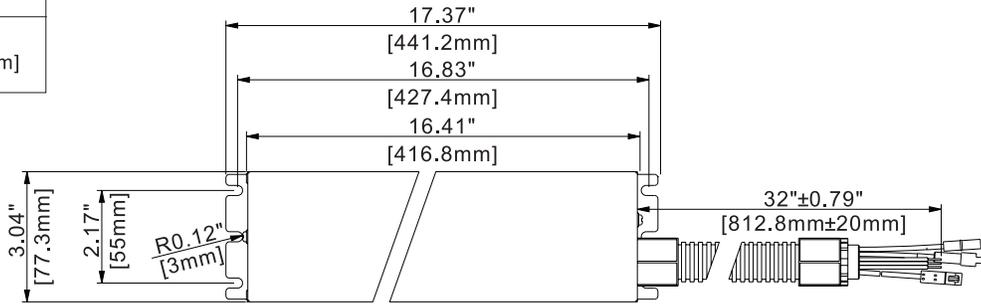
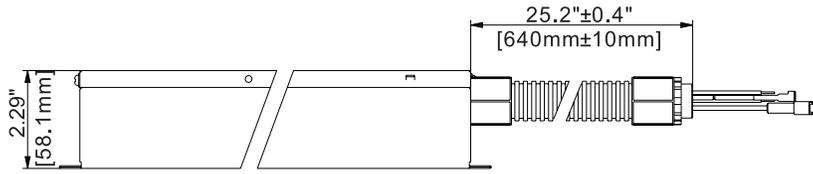
Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information. (Terms and Conditions apply)

ORDERING INFORMATION Example: MI-50-G2

Model	Description
MI-50-G2	Compact Micro Inverter, 50W, LiFePO4, 100-277VAC Input, 120/220/260VAC Output, Self-test/Self-diagnostics, 23" Conduit Whip
Accessories¹ (Field Installed)	
MI-TSTWL-BC	Bi-Color, Wet Location Test Switch
MI-EXT-48-TST	48" Test Switch Extension
MI-WLP-WH	White Wall Plate, Black Lettering
	Notes
	¹ Order as separate line item

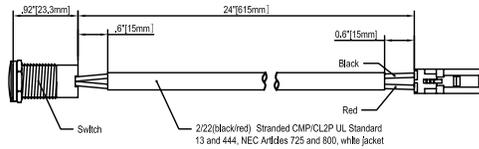
DIMENSIONS

Overall Dimensions	
Length	17.37" [441.2mm]
Width	3.04" [77.3mm]
Height	2.29" [58.1mm]

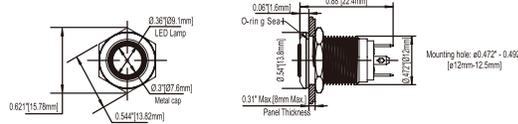


ACCESSORIES

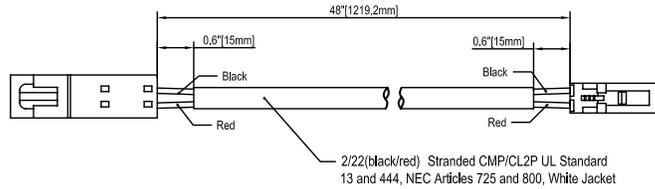
Bi-Color Wet Location Test Switch: MI-TSTWL-BC



Overall Switch Dimension



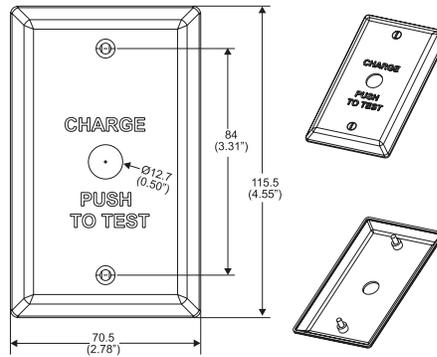
Test Switch Extension: MI-EXT-48-TST



Optional Wall Plate: MI-WLP-WH



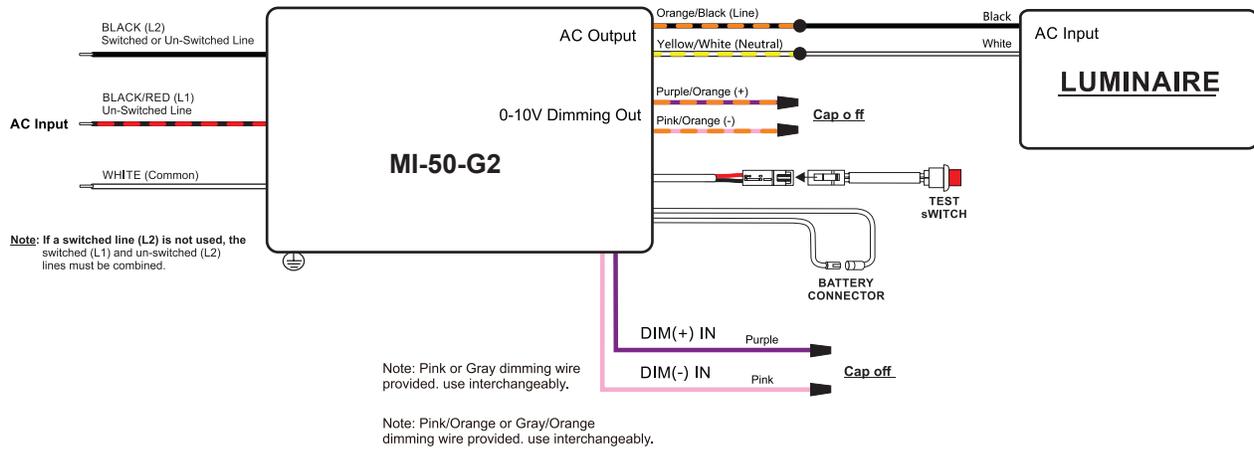
Wall plate and screw color:
white with black lettering



1. "Charge push to Test" plate
2. (2) 6-32 x 1/2" LG mounting screws

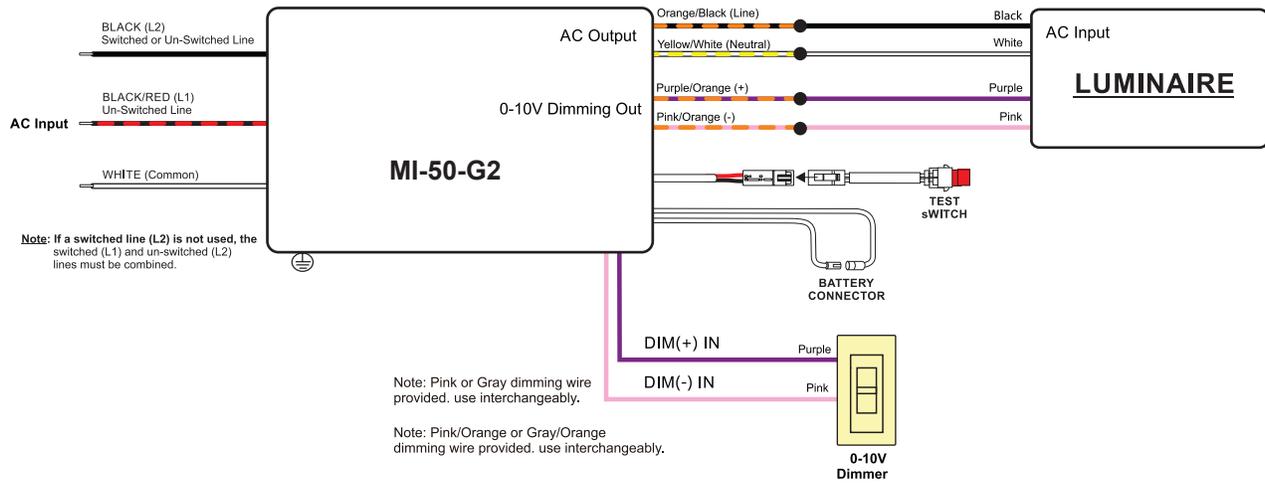
WIRING DIAGRAM 1

For Luminaire(s) with an output power less than 50W (100VA) and Non 0-10 dimming function.



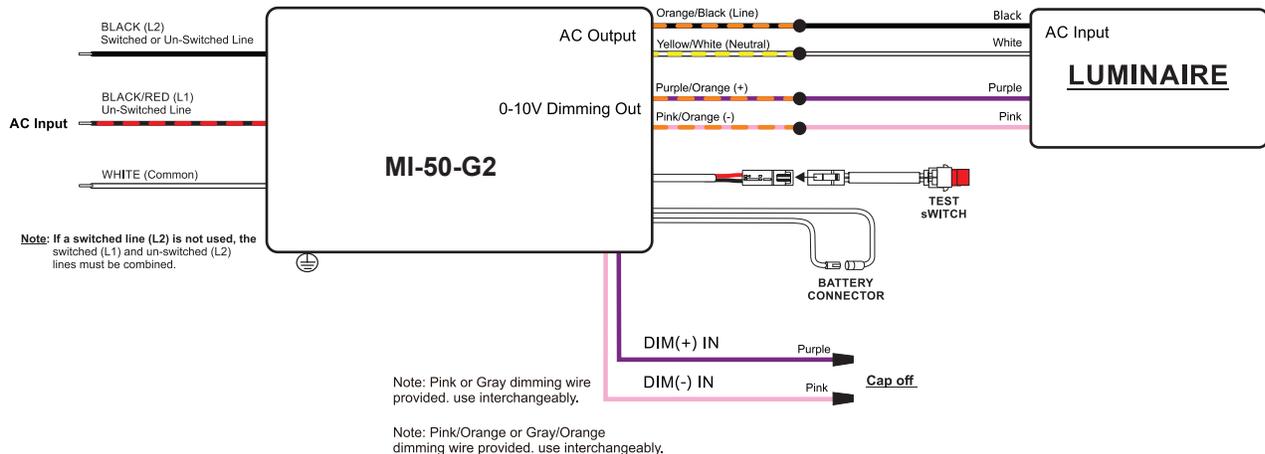
WIRING DIAGRAM 2

For Luminaire(s) with an output power less than 320W (400VA) and have 0-10 dimming function.



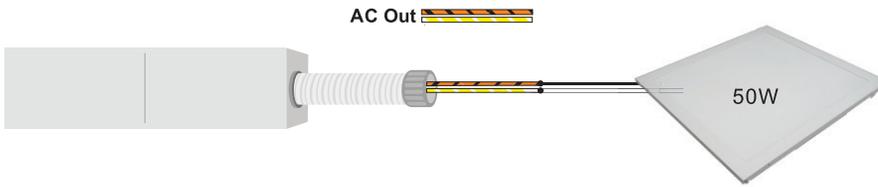
WIRING DIAGRAM 3

For Luminaire(s) with an output power less than 320W and 0-10V dimming function but 0-10V dimming is not used during normal operation.



WIRING DIAGRAM 4

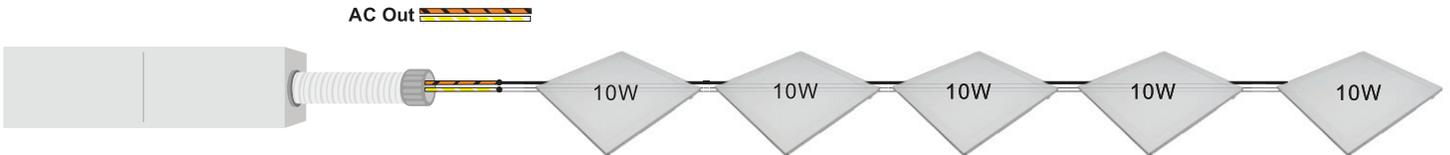
Wiring one single luminaire without 0-10V dimming



- One 50W luminaire powered at 100% during emergency

WIRING DIAGRAM 5

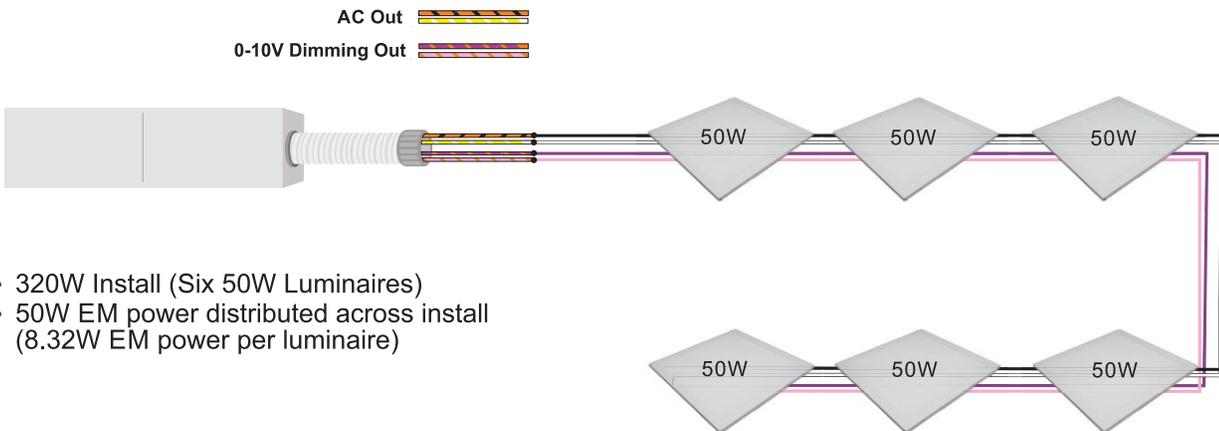
Wiring multiple luminaires without 0-10V dimming



- Five 10W luminaires powered at 10W each during emergency

WIRING DIAGRAM 6

Wiring multiple luminaires with 0-10V dimming



- 320W Install (Six 50W Luminaires)
- 50W EM power distributed across install (8.32W EM power per luminaire)