



## **ODLE**

### LED OUTDOOR EGRESS EMERGENCY LIGHT

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## INSTALLATION AND OPERATING INSTRUCTION

### **IMPORTANT SAFEGUARDS**

When using electrical equipment, basic safety precautions should always be followed including the following:

### **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**

1. Disconnect AC power before servicing.
2. Refer to wiring diagram for proper connections.
3. All servicing should be performed by qualified personnel.
4. Consult your local building code for approved wiring and installation.
5. Do not use this equipment for other than intended use.
6. Do not let power cords touch hot surfaces.
7. Mount and secure the fixture at a location and height to avoid ready access and tampering by unauthorized persons.
8. The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.
9. Suitable for wet locations. See product label for temperature limitations.

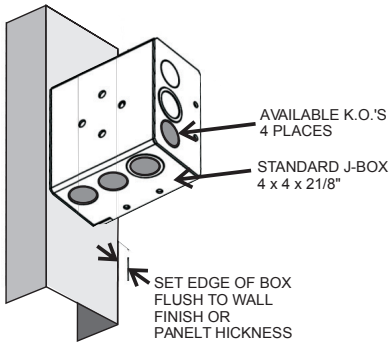
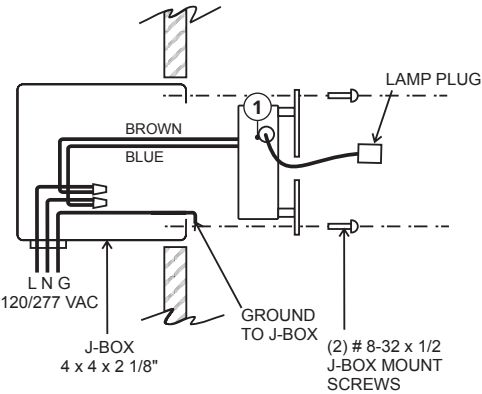
### **SAVE THESE INSTRUCTIONS**

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# UNIVERSAL 120/277 VAC SUPPLY - 10W

SUITABLE FOR WET LOCATIONS.  
AMBIENT TEMPERATURE LIMITS  
STANDARD MODELS: -20°C TO 40°C  
REMOTE MODELS: -40°C TO 50°C

## RECESSED J-box MOUNT

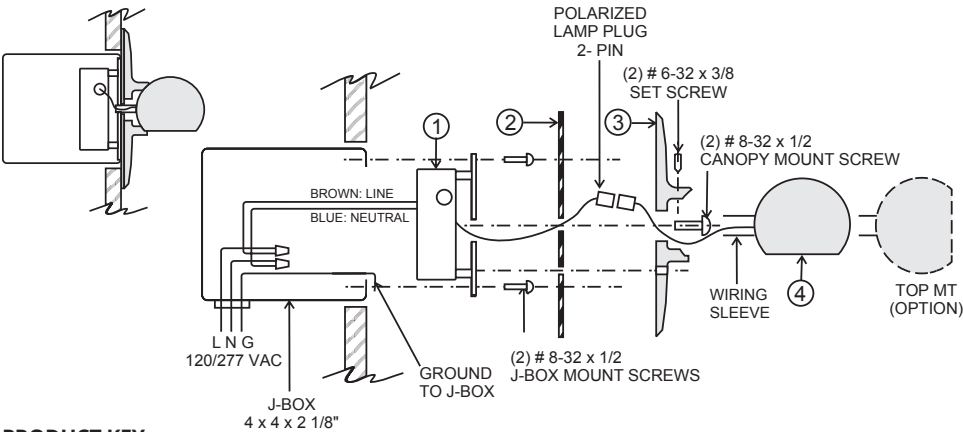


## J-box & SUPPLY WIRING

1. See above for available K.O.'s for wiring connectors. Select K.O.'s for AC input wiring. Install standard 4" x 4" deep J-box.

**IMPORTANT:** SET J-box ASSEMBLY TO ALIGN EDGE OF EXTENSION FLUSH OR JUST BELOW FINISH PANEL SURFACE.

2. See above. Insert Power Supply Assembly (1) into J-box and secure with (2) #8-32 x 1/2" screws.
3. See above. Connect AC input wiring from power supply assembly to building supply with wire nuts, with Ground connector to J-box: BROWN: 120-277 VAC: BLUE: Neutral.



## PRODUCT KEY

- 1 POWER SUPPLY ASSEMBLY
- 2 GASKET
- 3 CANOPY
- 4 HOUSING ASSEMBLY

# UNIVERSAL 120/277 VAC SUPPLY - 10W

CONTINUED

## FIXTURE ASSEMBLY

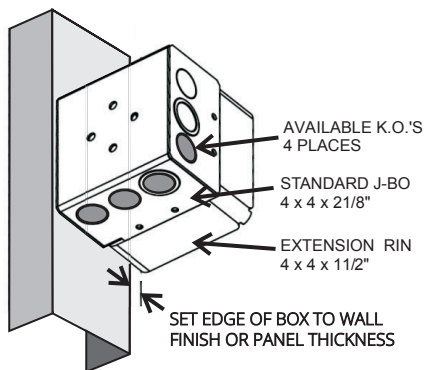
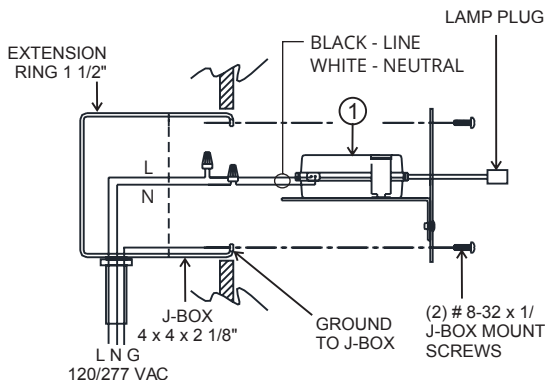
1. Run polarized Lamp Plug from power supply through Gasket (2) .
2. Route Lamp Plug through Gasket (2) and Canopy (3) ; locate Canopy in position. Secure with (2) #8-32 x 1/2" screws and tighten evenly.
3. Connect Lamp Plug from Housing (4) .
4. Gently insert plug assembly and wiring sleeve through the gasket into J-box, locate Housing and Gasket in position and secure with (2) #6-32 x 3/8" set screws.
5. Turn on AC supply to operate

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# UNIVERSAL 120/277 VAC SUPPLY - 20W

SUITABLE FOR WET LOCATIONS.  
AMBIENT TEMPERATURE LIMITS  
 STANDARD MODELS: -20°C TO 40°C  
 REMOTE MODELS: -40°C TO 50°C

## RECESSED J-box MOUNT



## J-box & SUPPLY WIRING

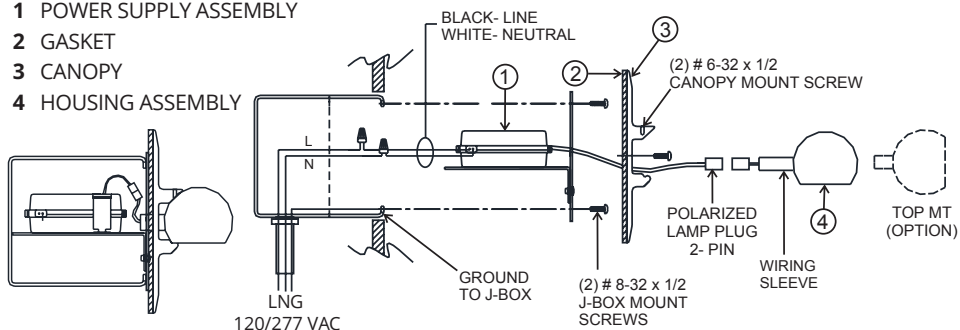
1. See above for available K.O.'s for wiring connectors. Select K.O.'s for AC input wiring. Install standard 4" x 4" deep J-box with 1 1/2" extension.

**IMPORTANT:** SET J-box ASSEMBLY TO ALIGN EDGE OF EXTENSION FLUSH OR JUST BELOW FINISH PANEL SURFACE.

2. See above. Insert Power Supply Assembly (1) into J-box and secure with (2) #8-32 x 1/2" screws.
3. See above. Connect AC input wiring from power supply assembly to building supply with wire nuts, with Ground connector to J-box: BLACK: 120-277 VAC: WHITE: Neutral.

## PRODUCT KEY

- 1 POWER SUPPLY ASSEMBLY
- 2 GASKET
- 3 CANOPY
- 4 HOUSING ASSEMBLY



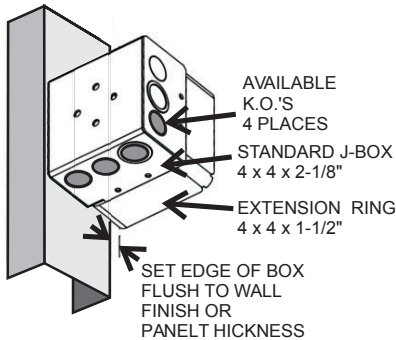
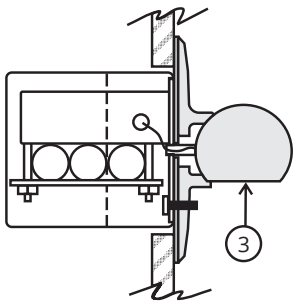
## FIXTURE ASSEMBLY

1. Loosen the (2) #6-32 set screws to release housing from Canopy (3).
2. Run polarized Lamp Plug from power supply through Canopy (3) / Gasket (2).
3. Route Lamp Plug through Gasket (2) and Canopy (3); locate Canopy (3) in position. Secure with (2) #8-32 x 1/2" screws and tighten evenly.
4. Connect Lamp Plug from Housing (4).
5. Gently insert plug assembly and wiring sleeve through the Gasket (2) into J-box, locate Housing (4) and Gasket in position and secure with (2) #6-32 x 3/8" set screws.
6. Turn on AC supply to operate.

# LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP

## RECESSED J-BOX MOUNT

SUITABLE FOR WET LOCATIONS.  
AMBIENT TEMPERATURE LIMITS  
STANDARD MODELS: -20°C TO 40°C  
REMOTE MODELS: -40°C TO 50°C



### PRODUCT KEY

- 1 CANOPY POWER ASSEMBLY
- 2 BATTERY PACK 6.4V
- 3 LAMP HOUSING ASSEMBLY

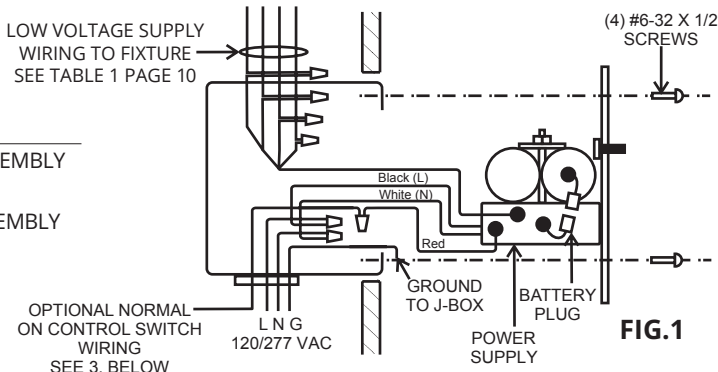
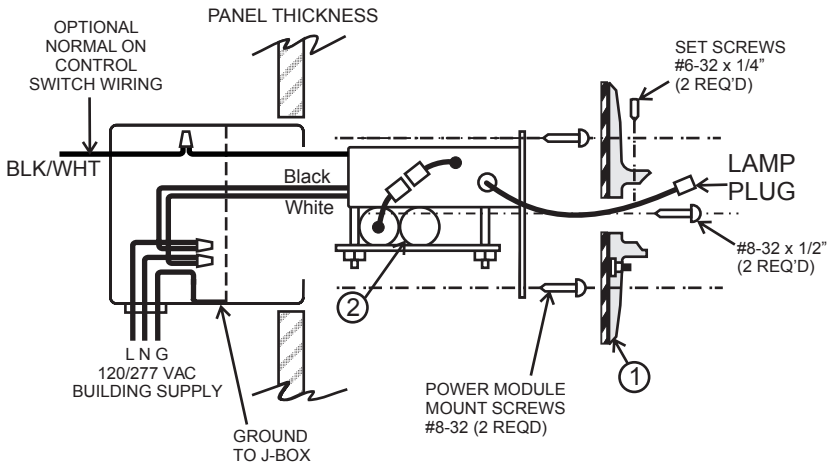


FIG.1

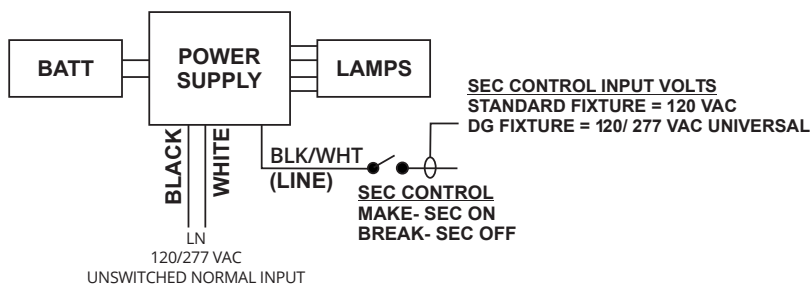


# LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP

CONTINUED

## J-BOX & SUPPLY WIRING

1. See above. Assemble standard 4" x 4" deep J-box with 1½" extension. Note available knock-outs for wiring. Remove K.O's in areas shown for wiring and connectors.
2. Align edge of extension flush or just below finish panel surface.
3. SECURITY LIGHTING SWITCH CONTROL (OPTION -SW)



## LOW TEMPERATURE (-LT) OPTION

1. See Fig. 1. Place power supply assembly inside housing (4) and note available knock-outs for wiring clearance. Remove suitable K.O's in areas with clearance for wiring and connectors. Use framing or brackets to install Masonry Box housing as shown, in a location convenient for access to battery and power supply. Align top edge flange flush with finished panel surface. See Table 1 to estimate wire size required based on maximum wiring length for low voltage output wiring from RPS to the fixture.
2. INPUT WIRING: Connect BLACK/WHITE AC input wiring to building supply with wire nuts, and connect GROUND to Housing with Screw mount.
3. SECURITY LIGHTING SWITCH CONTROL (OPTION -SW)
4. OUTPUT LOW VOLTAGE WIRING\*: See Table 1 for minimum wire size based on distance to fixture. Example using #20 AWG, max distance is 100 ft. See Pg. 10 for detail. Route conductors from the RPS to the fixture location.
5. Connect the BATTERY plug: If AC power is OFF, the fixture will turn ON under battery power. To minimize battery discharge, turn AC power ON after fixture is connected, or disconnect battery.

# LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP

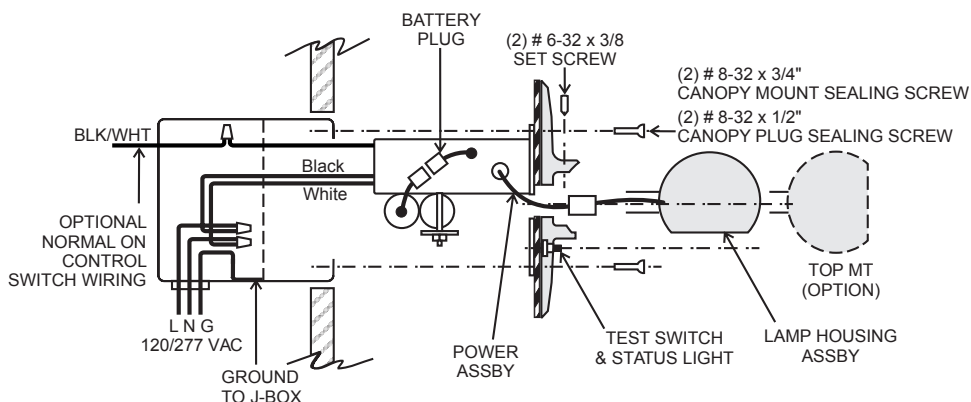
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## FIXTURE ASSEMBLY

1. Note position of (2) J-Box MOUNT screws and insert (2) #8-32 x 1/2" PLUG sealing screws with nuts into Canopy at unused locations.
2. Connect power supply wiring to building supply with standard wire nuts:
  - BLACK: Line 120-277VAC
  - WHITE: Neutral
  - BLK/WHT: Line (120-277VAC switch Option)
3. Connect GROUND to J-Box
4. Connect optional NORMALLY ON control switch (SW) Wiring
5. Connect the BATTERY plug. Insert power supply assembly in position and secure to J-Box with two #8-32 x 3/4" MOUNT sealing screws supplied and tighten to compress gasket evenly. DO NOT over tighten.
6. Place Lamp Housing Assembly over Canopy Plate and connect Lamp Plug.

**NOTE:** If AC power is OFF, the fixture will turn ON under battery power. To minimize battery discharge, turn AC power ON after fixture is connected.

7. Insert Lamp Plug wiring sleeve through center hole in Gasket while placing Lamp Housing in position. Tighten (2) #6-32 set screws to secure in position.
8. Turn ON building AC supply and operate test switch to confirm emergency operation. Batteries require 24 hrs for full charge. Operate control switch option where supplied to confirm normally ON operation.
9. **TESTING EMERGENCY OPERATION:** Press the PUSH TO TEST button(3 seconds) to operate fixture in emergency mode for one minute test. Lamp can be checked visually during this period. Alternatively; (a) AC power to the fixture may be interrupted by qualified personnel.



# LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP

CONTINUED

## SELF-DIAGNOSTICS

1. Install Emergency lighting according to the instructions on page 1-2. Once the AC power is supplied to fixture, the unit will automatically initiate a self-Test and self-diagnostic test as follows.
- Verifies battery disconnection, Charger failure, Load failure.
  - One-minute self-testing (Battery discharging test) every month.
  - 90 minutes self-testing (Battery discharging test) every year.
2. Dual color LED lamp shows the following status:

TEST FUNCTIONS	NORMAL OR PASS	FAULT
Battery	Green or Amber	Red Flash
Transfer Switch	No Indication	Orange Flash
Charger Status	No Indication	Red Flash
Connected Load Status	No Indication	Green Flash

## CHARGE RATE

Normal Full Charge	Steady Green
Normal Fast Charge	Steady Orange

The Emergency Fixture will automatically perform the following system tests:

### MONTHLY TEST: 1 MINUTE LAMP OPERATION

Battery Condition, Transfer Switch Operation, Battery Charge Rate Connected Load Continuity

### ANNUAL TEST: 90 MINUTES LAMP OPERATION

12 months from the date of installation, an annual test is required by initiating full operation of the emergency load for 90 minutes, in compliance with NFPA Life Safety Code 101.

### (1) STANDARD SYSTEM:

Periodic diagnostic tests will start at the same time the system was first activated with AC power.

**NOTE:** To avoid operation of emergency lighting at potentially undesirable times, automatic operation can be disabled by specification of Option “NAT”, as designated in the Model Number Label. If such option is supplied, the annual test must be activated manually.

## SELF-DIAGNOSTIC FUNCTIONS

STATUS	LED DISPLAY
Normal Full Charge	Green On
Fast Charge	Orange On
Failed Battery	Fast Red Flash (x2)
Failed Lamp	Fast Green Flash (x2)
Failed Transfer	Orange Flash (x2)
Failed Charger	Slow Red Flash (x2)



# LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP

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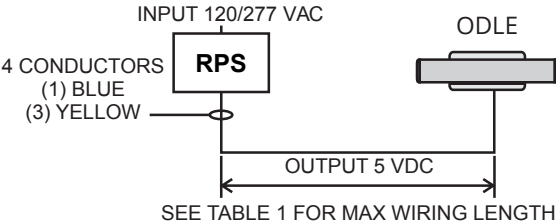
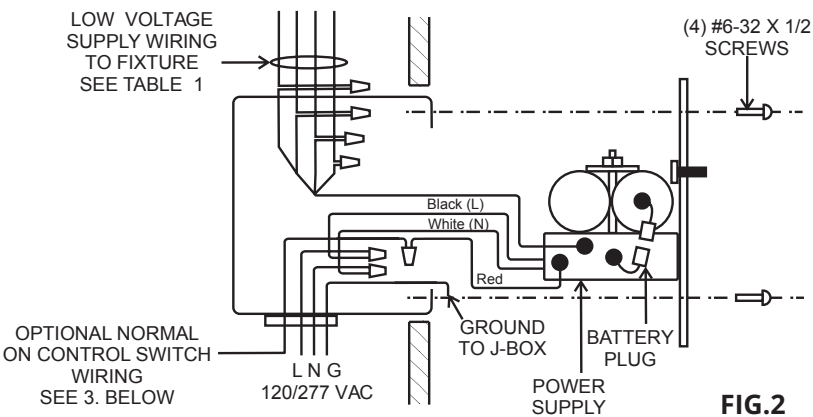
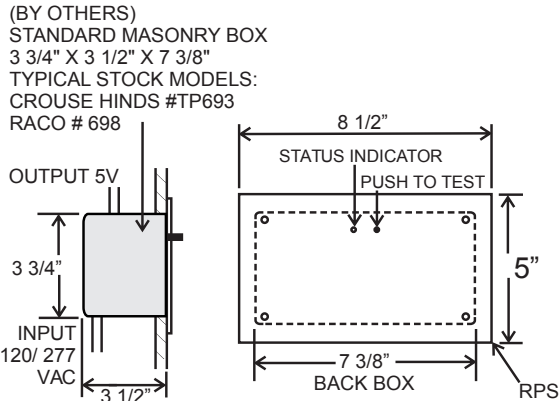


TABLE 1 MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE	
WIRING SIZE AWG	LENGTH (FT)
#20	100
#18	170
#16	430

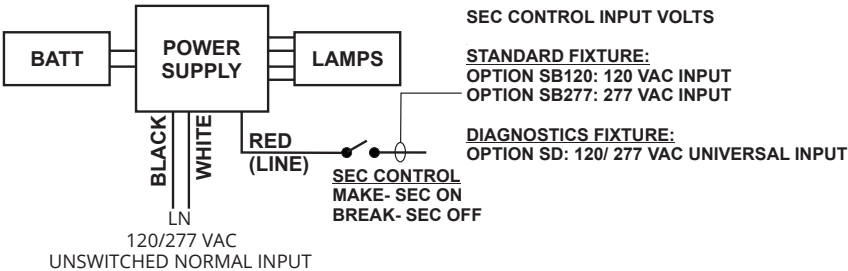


# LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP

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## REMOTE POWER SUPPLY (RPS)

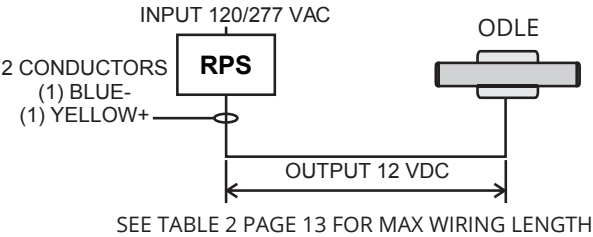
1. See Fig. 2. Place power supply assembly inside housing and note available knock-outs for wiring clearance. Remove suitable K.O's in areas with clearance for wiring and connectors. Use framing or brackets to install Masonry Box housing as shown, in a location convenient for access to battery and power supply. Align top edge flange flush with finished panel surface. See Table 1 to estimate wire size required based on maximum wiring length for low voltage output wiring from RPS to the fixture.
2. **INPUT WIRING:** Connect BLACK/WHITE AC input wiring to building supply with wire nuts, and connect GROUND to Housing with Screw mount.
3. SECURITY LIGHTING SWITCH CONTROL (OPTION -SB or SD)



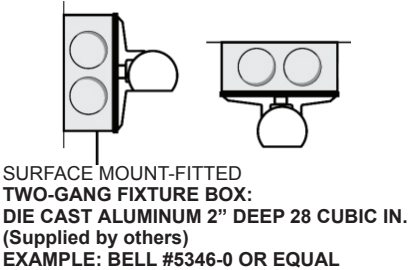
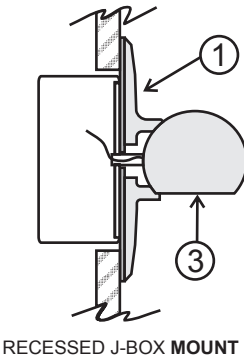
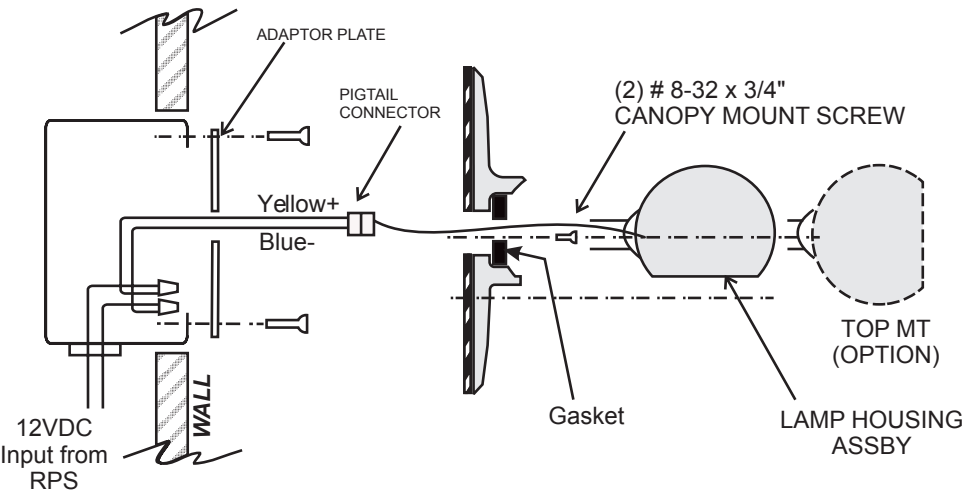
4. **OUTPUT LOW VOLTAGE WIRING\*:** See Table 1 for minimum wire size based on distance to fixture. Example using #20 AWG, max distance is 100 ft. See Pg. 10 for detail. Route conductors from the RPS to the fixture location.
5. **CONNECT THE BATTERY PLUG:** NOTE If AC power is OFF, the fixture will turn ON under battery power. To minimize battery discharge, turn AC power ON after fixture is connected, or disconnect battery.

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# LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP AND DG OPTION



PRODUCT KEY	
1	CANOPY
2	BATTERY 12V 5Ah/8Ah
3	LAMP HOUSING ASSEMBLY



# LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP AND DG OPTION *CONTINUED*

## FIXTURE ASSEMBLY

1. Install J-box 1/8"-1/4" below finished panel surface. Connect 12VDC input circuit wiring from RPS as shown above, and connect the YELLOW+ and BLACK- leads to the pigtail connector supplied
2. Run Pigtail Connector through Adapter Plate center hole and attach to J-box with (2) #8-32 screws.
3. Secure Canopy with (2) #8-32 x 3/4" MOUNT screws supplied and tighten to compress gasket evenly. DO NOT over tighten.
4. Place Lamp Housing Assembly over Canopy Plate and connect Lamp Plug.
5. Insert Lamp Plug wiring through center hole in Gasket while placing Lamp Housing in position. Tighten (2) #6-32 set screws to secure in position.
6. Turn ON building AC supply to RPS and operate test switch to confirm emergency operation. Batteries require 24 hrs for full charge. Operate control switch option where supplied to confirm normally ON operation.

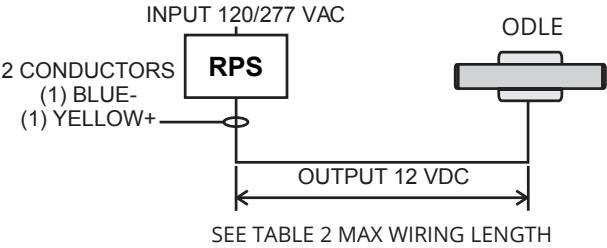


TABLE 2 MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE	
WIRING SIZE AWG	LENGTH (FT)
#22	25
#20	40
#18	60
#16	100
#14	160
#12	250

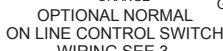
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1. See Fig. 2. Place power supply assembly inside housing and note available knock-outs for wiring clearance. Remove suitable K.O's in areas with clearance for wiring and connectors. Use framing or brackets to install RPS housing as shown, in a location convenient for access to battery and power supply. Align top edge flange flush with finished panel surface.
2. **INPUT WIRING:** Connect BLACK/WHITE AC input wiring to building supply with wire nuts, and connect GROUND to Housing with Screw mount.
3. **SECURITY LIGHTING SWITCH CONTROL (OPTION -SB or SD)**

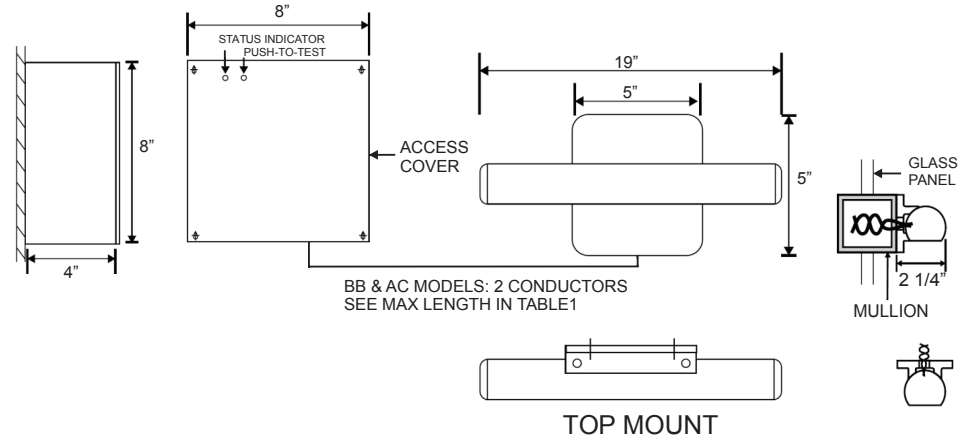


- 1. OUTPUT LOW VOLTAGE WIRING\*:** See Table 2 for minimum wire size based on distance to fixture. Example using #20 AWG, max distance is 40 ft. Route conductors from the RPS to the fixture location.
- 2. CONNECT THE BATTERY PLUG:** NOTE If AC power is OFF, the fixture will turn ON under battery power. To minimize battery discharge, turn AC power ON after fixture is connected, or disconnect battery.



MOUNTING DATA
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SURFACE MOUNT



RECESSED MOUNT (OPTION)

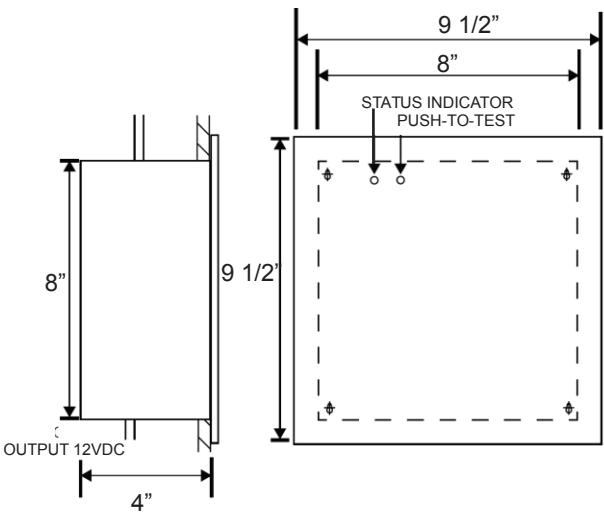


TABLE 2

WIRING SIZE AWG	LENGTH (FT)
#22	25
#20	40
#18	60
#16	100
#14	160
#12	250

STATUS DISPLAY	LED DISPLAY
Normal Full Charge	Green On
Normal Fast Charge	Orange On
Failed Battery	Red Flash Fast
Failed Lamp	Green Flash
Failed Transfer	Orange Flash
Failed Charger	Red Flash Slow



**SAVE THESE INSTRUCTIONS**

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