



ODLE

LED OUTDOOR EGRESS EMERGENCY LIGHT

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.

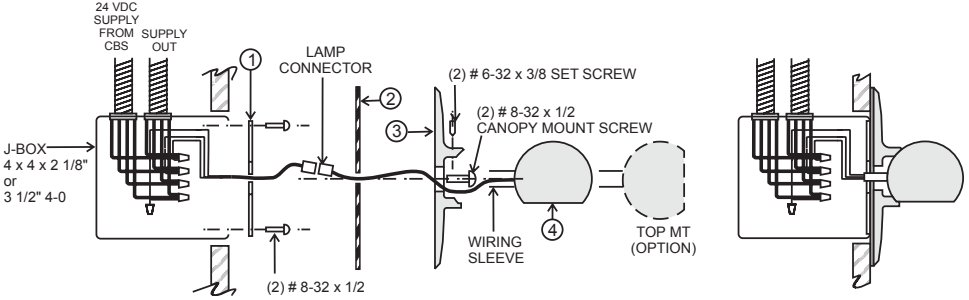
SAVE THESE INSTRUCTIONS

31 Waterloo Ave • Berwyn, Pa • 19312 U.S.A
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OPERATING FROM CENTRAL BATTERY SYSTEM (CBS) SERIES

RECESSED J-BOX MOUNT

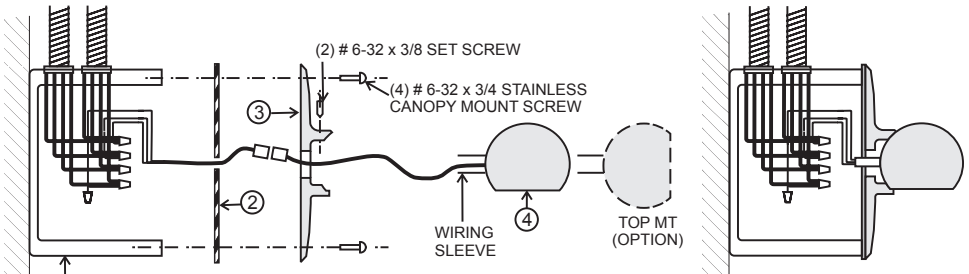
SUITABLE FOR WET LOCATIONS
AMBIENT TEMPERATURE LIMITS: -20°C TO 40°C



PRODUCT KEY

- 1 ADAPTER PLATE
- 2 GASKET
- 3 CANOPY
- 4 LAMP HOUSING ASSEMBLY

SURFACE MOUNT



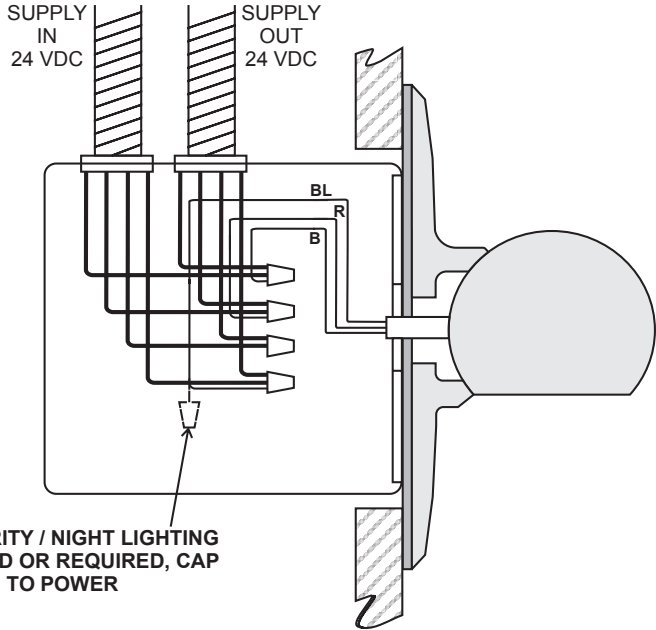
**TWO-GANG FIXTURE BOX:
DIE CAST ALUMINUM 2" DEEP 28 CUBIC IN. MOUNT HORIZONTAL ON WALL
(SUPPLIED BY OTHERS)
EXAMPLE: BELL #5346-0 OR EQUAL**

1. Install standard 4" x 4" deep j-box. Align edge of extension flush or just below finish panel surface. See "Supply Circuit Wiring diagram" for circuit wiring. Trim leads as required and connect color-matched 24VDC input/output wiring as shown with standard wire nuts. If SECURITY lighting is not required, cap off BLACK wire from power supply.
2. Route lamp wiring pigtail through Adaptor Plate (1) and attach plate to j-box. Route Lamp Plug lead through Gasket (2) and Canopy (3). Check that Gasket is even with edge of Canopy, insert (2) #8-32 x 1/2" screws and tighten firmly.
3. Place Housing (4) into position and connect Lamp Plug. 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.
4. Apply power from central battery system and check lamp operation.

OPERATING FROM CENTRAL BATTERY SYSTEM (CBS) SERIES

CONTINUED

SUPPLY CIRCUIT WIRING



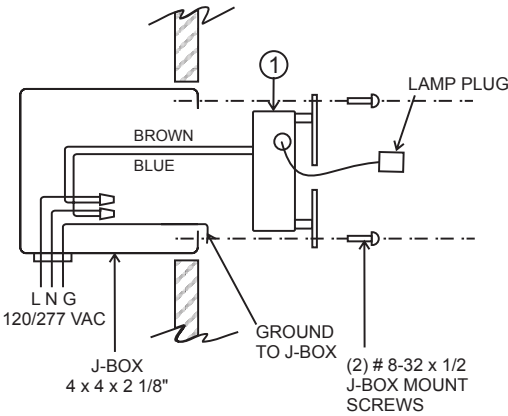
NOTE: IF SECURITY / NIGHT LIGHTING IS NOT SUPPLIED OR REQUIRED, CAP OFF BLUE LEAD TO POWER CONVERTER

KEY

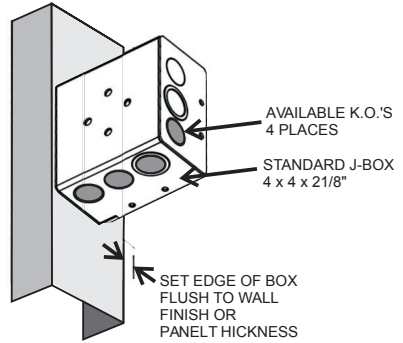
BLACK	COMMON: 12/24 VDC NEG-
RED	EMERGENCY: 24 VDC POS+
YELLOW	EXIT/CVRE: 12/24 VDC POS+
BLUE	SECURITY/NIGHT LIGHTING: 24 VDC POS+

UNIVERSAL 120/277 VAC SUPPLY - 10W

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



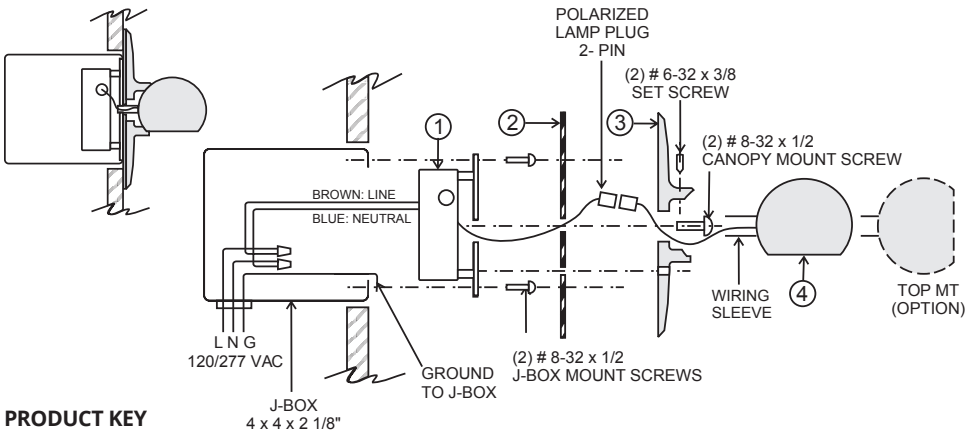
J-BOX & SUPPLY WIRING

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

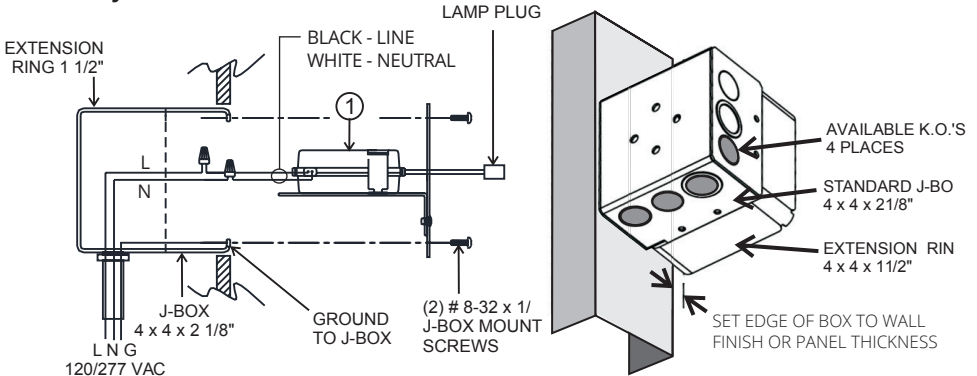
FIXTURE ASSEMBLY

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.

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

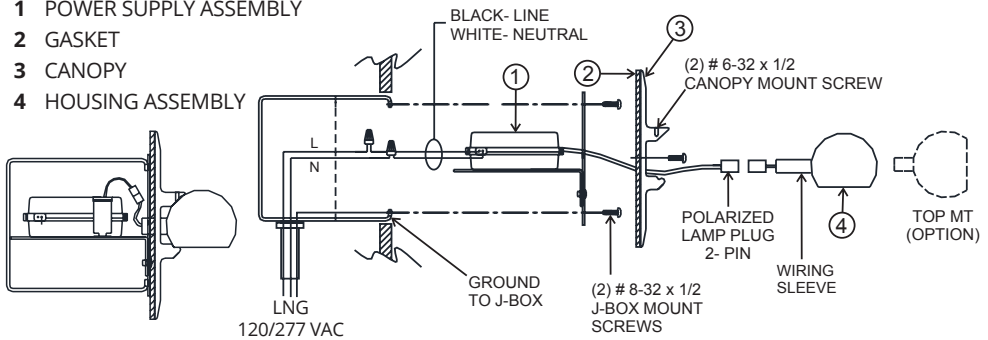
1. See above for available K.O.'s for wiring connectors. Select K.O.'s for AC input wiring. Install standard 4" x 4" deep J-box with 1 1/2" extension.

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

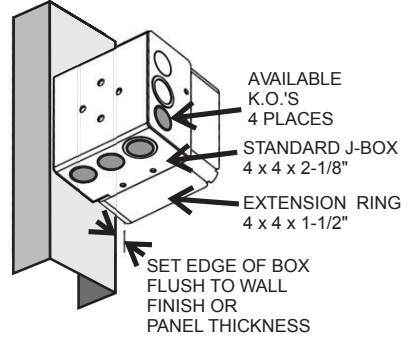
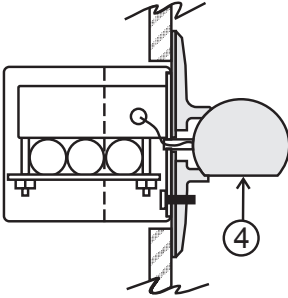
SUITABLE FOR WET LOCATIONS

AMBIENT TEMPERATURE LIMITS

Standard "BB" models: -20° C to +40° C

High Temp "BB" models (SW): -20°C to +45°C

Remote models: -40° C to +50° C



PRODUCT KEY

- 1 CANOPY POWER ASSEMBLY
- 2 BATTERY PACK 3.6V
- 3 BATTERY PACK 4.8V
- 4 LAMP HOUSING ASSEMBLY

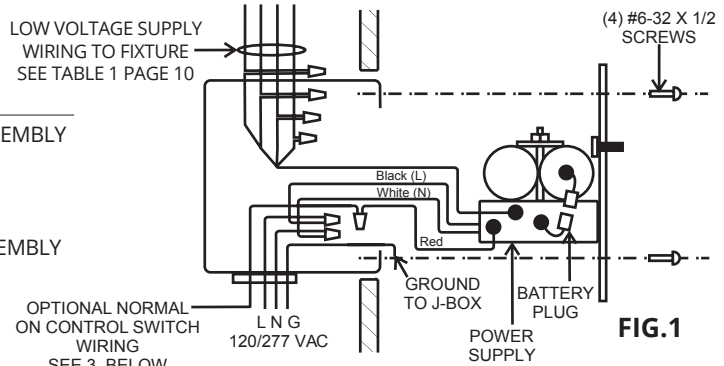
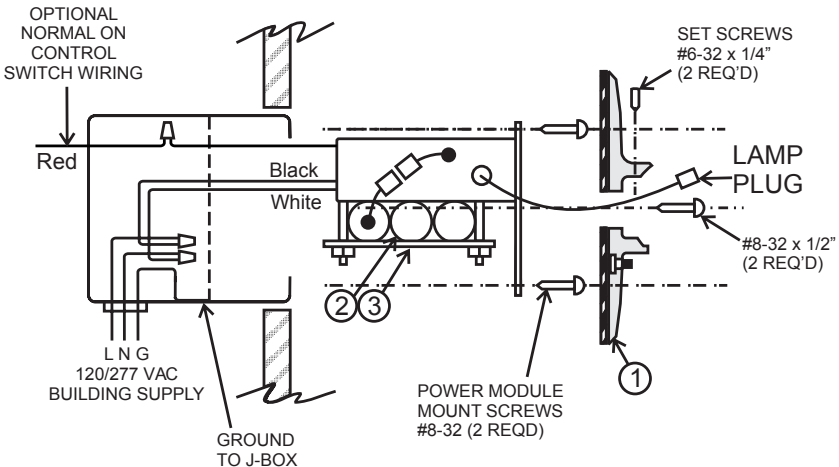


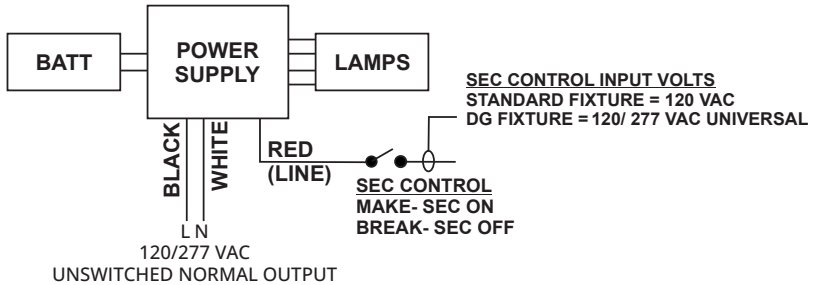
FIG. 1



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 *CONTINUED*

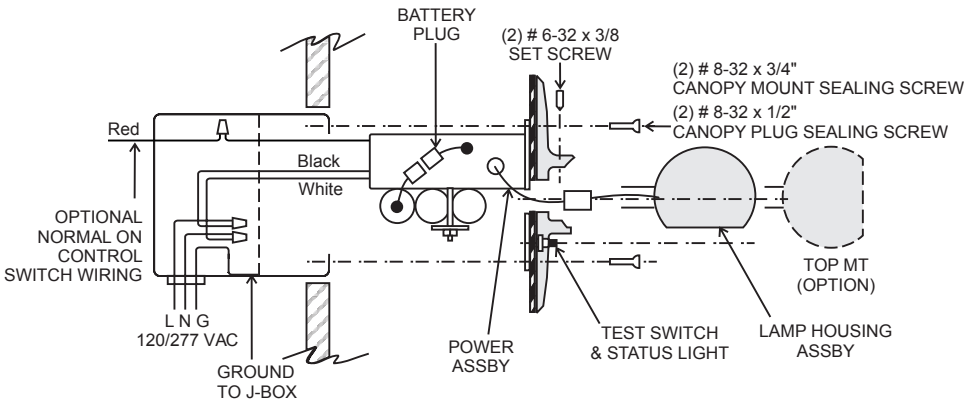
FIXTURE ASSEMBLY

1. Note position of 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: 120-277VAC; WHITE: Neutral.
3. Connect GROUND to J-Box
4. SECURITY LIGHTING SWITCH CONTROL (OPTION -SW)
5. Connect the BATTERY plug. Insert power supply assembly in position and secure to J-Box with (2) #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 ① 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.

If fixtures remains in Emergency mode after AC power is applied, depress & hold test button for one minute & release.

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.



LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP *CONTINUED*

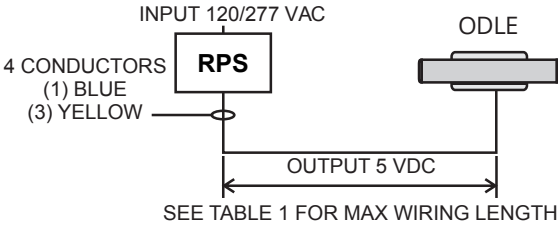
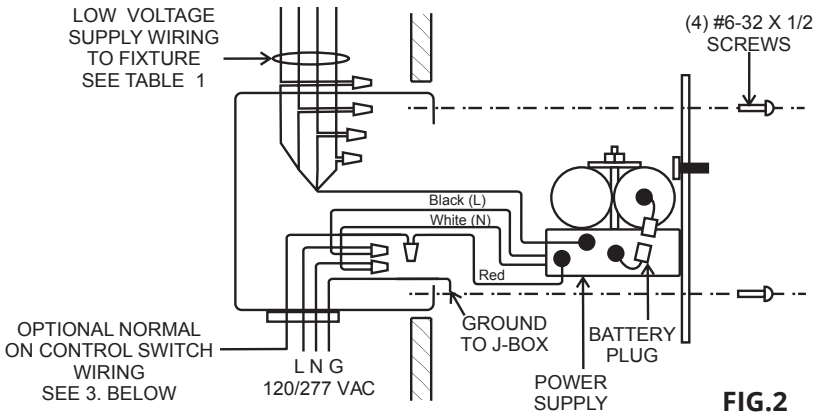
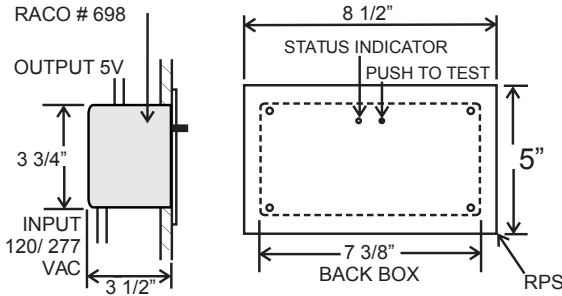


TABLE 1
MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE

WIRING SIZE AWG	LENGTH (FT)
#20	100
#18	170
#16	430

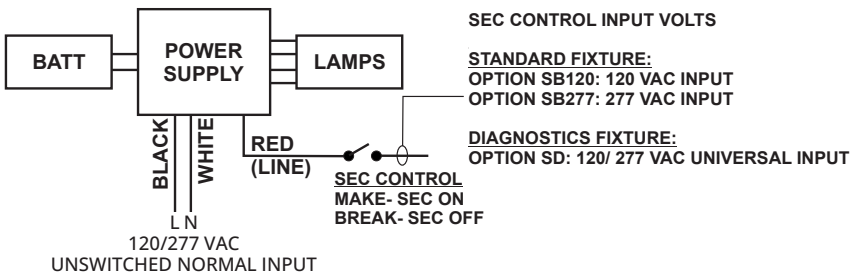
(BY OTHERS)
STANDARD MASONRY BOX
3 3/4" X 3 1/2" X 7 3/8"
TYPICAL STOCK MODELS:
CROUSE HINDS #TP693
RACO # 698



LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP *CONTINUED*

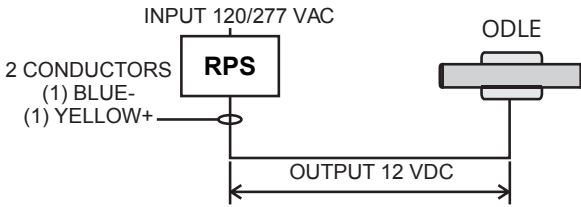
REMOTE POWER SUPPLY (RPS)

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.
4. **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.

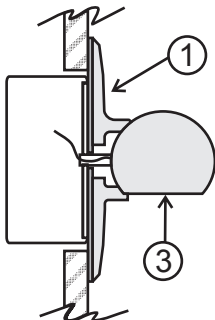
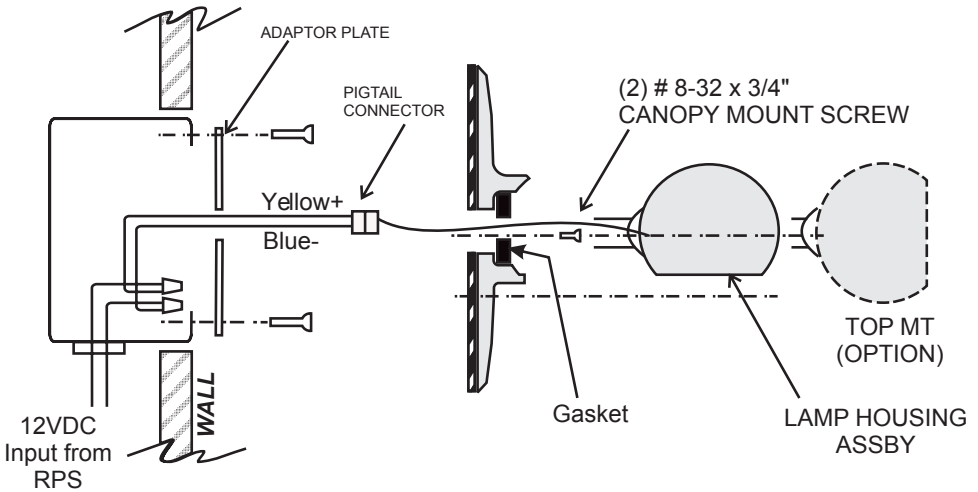
LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP AND DG OPTION



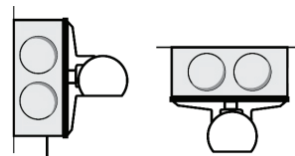
SEE TABLE 2 PAGE 13 FOR MAX WIRING LENGTH

PRODUCT KEY

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



RECESSED J-BOX MOUNT

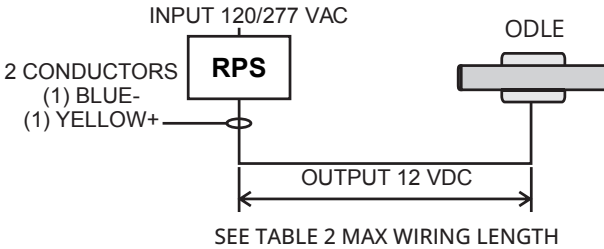


SURFACE MOUNT-FITTED
TWO-GANG FIXTURE BOX:
DIE CAST ALUMINUM 2" DEEP 28 CUBIC IN.
(Supplied by others)
EXAMPLE: BELL #5346-0 OR EQUAL

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 Adaptor 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.



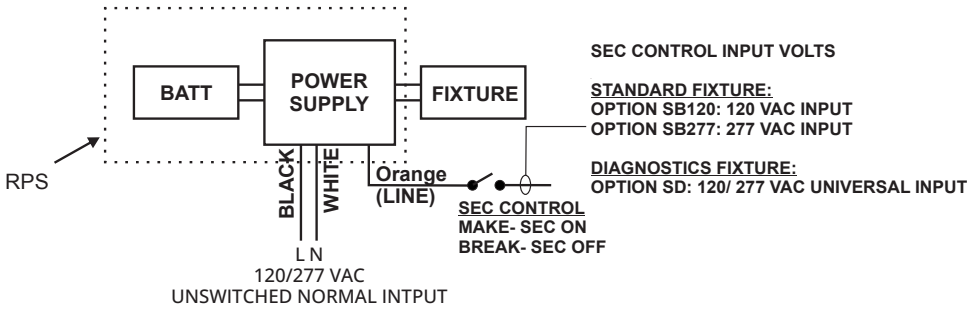
WIRING SIZE AWG	LENGTH (FT)
#22	25
#20	40
#18	60
#16	100
#14	160
#12	250

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

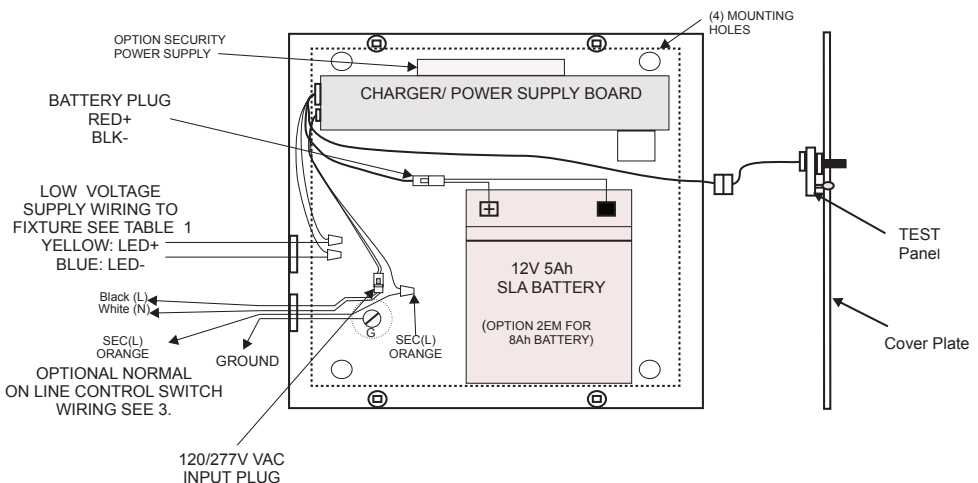
REMOTE POWER SUPPLY (RPS)

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 RPS housing as shown, in a location convenient for access to battery and power supply. Align top edge 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)



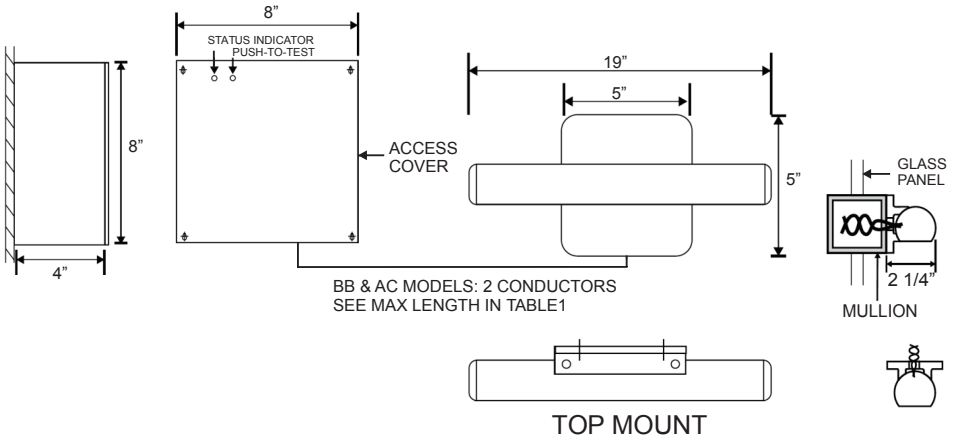
4. **OUTPUT LOW VOLTAGE WIRING*:** See Table 2 for minimum wire size based on distance to fixture. Example using #20 AWG, max distance is 40 ft. Route conductors from the RPS to the fixture location.

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.



MOUNTING DATA

SURFACE MOUNT



RECESSED MOUNT (OPTION)

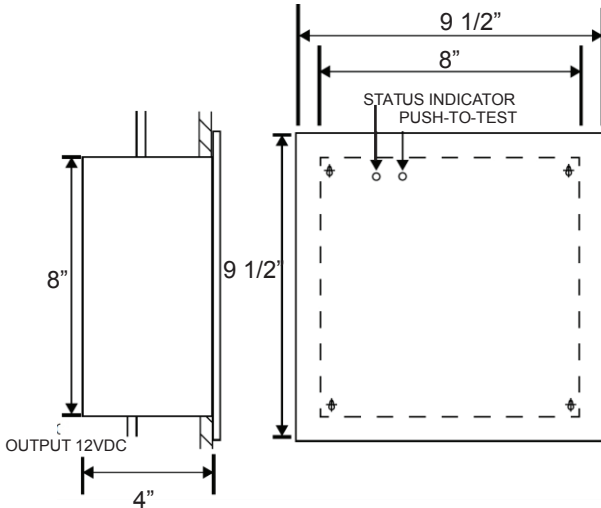


TABLE 2

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



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