



ODLM

MULLION MOUNT OUTDOOR EMERGENCY EGRESS 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.

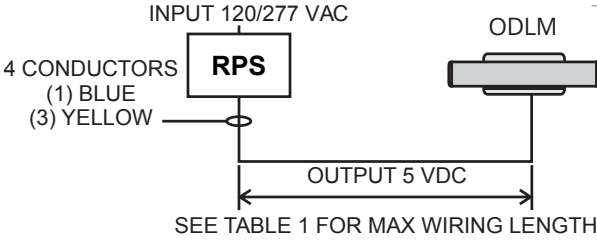
SAVE THESE INSTRUCTIONS

31 Waterloo Ave • Berwyn, Pa • 19312 U.S.A
Telephone: (610) 647-8200 • Email: support@isolite.com

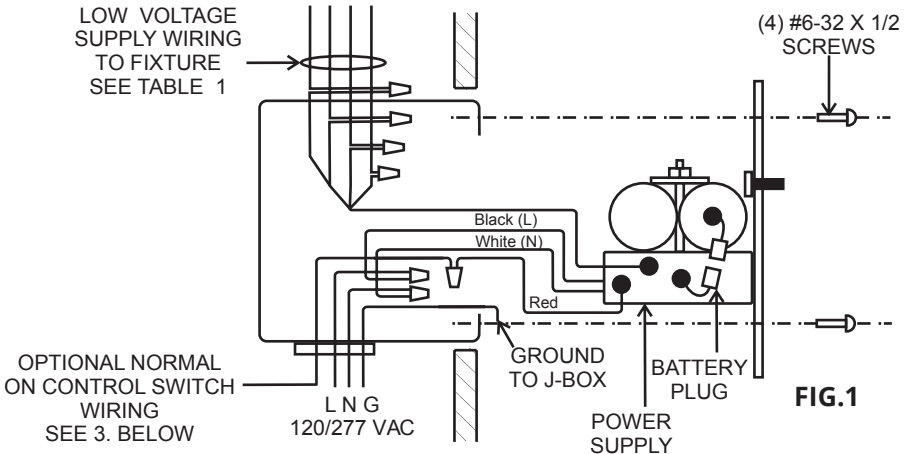
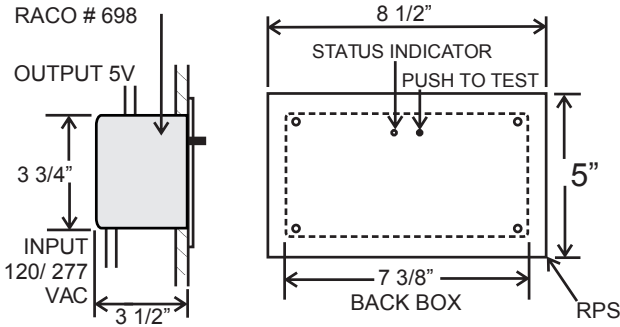
LED MULLION MOUNT EMERGENCY LIGHT WITH BATTERY BACKUP

TABLE 1
MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE

| WIRING SIZE AWG | LENGTH (FT) |
|-----------------|-------------|
| #18 | 25 |
| #16 | 50 |
| #14 | 75 |
| #12 | 125 |



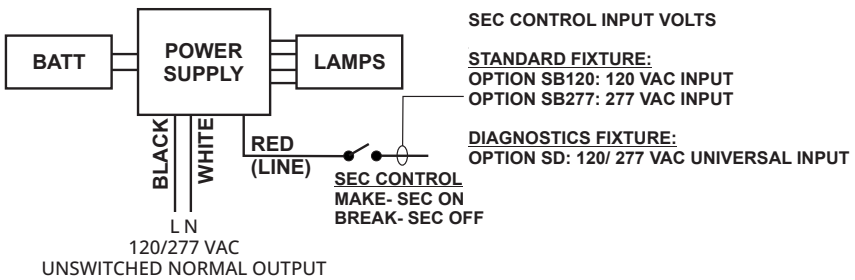
(BY OTHERS)
STANDARD MASONRY BOX
3 3/4" X 3 1/2" X 7 3/8"
TYPICAL STOCK MODELS:
CROUSE HINDS #TP693
RACO # 698



LED MULLION MOUNT EMERGENCY LIGHT WITH BATTERY BACKUP *CONTINUED*

REMOTE POWER SUPPLY (RPS)

1. See Fig. 1. 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. 2 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.

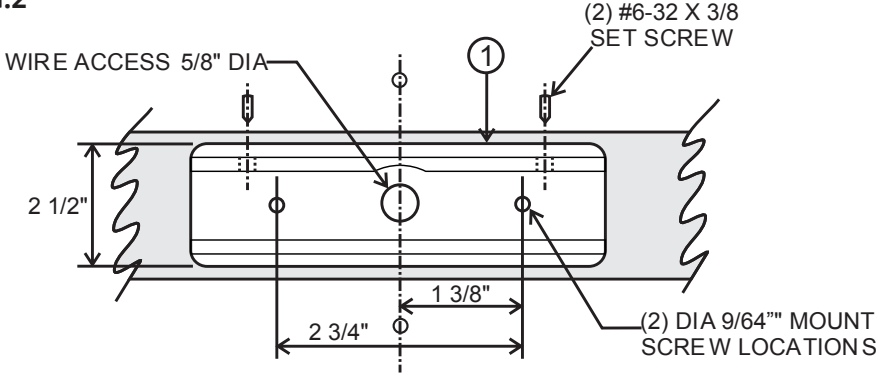
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LED MULLION MOUNT EMERGENCY LIGHT WITH BATTERY BACKUP *CONTINUED*

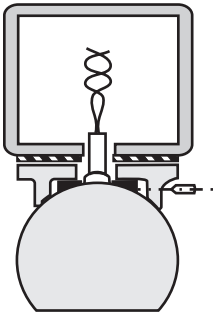
RECESSED J-BOX MOUNT

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

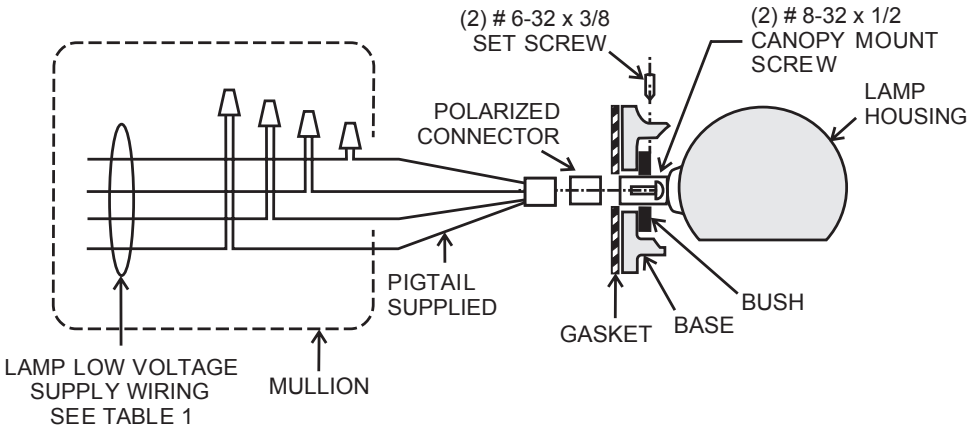
FIG.2



TOP MOUNT (OPTION)



SIDE MOUNT



LED MULLION MOUNT EMERGENCY LIGHT WITH BATTERY BACKUP *CONTINUED*

FIXTURE ASSEMBLY

1. See Fig 2. Drill 5/8" dia wire access hole and (2) 9/64" dia (or suitable tapping size) mount screw holes in the mullion beam at center of selected fixture location.
2. Loosen (2) #6-32 set screws, release lamp housing from base.
3. Attach base to mullion with (2) #8 screws (not supplied). Tighten evenly on gasket.
4. Route low voltage supply wiring through mullion and attach lamp plug pigtail (supplied) to supply wiring with wire nuts.

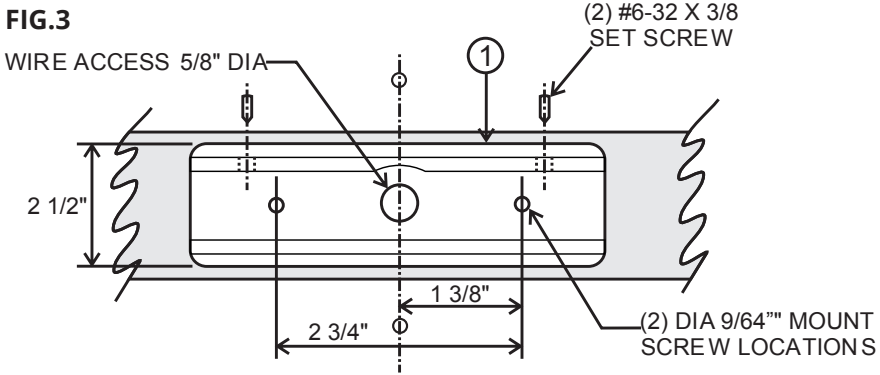
MAINTAIN COLOR CODES AT CONNECTOR: YELLOW+ Positive, BLUE- Negative.

5. Attach polarized lamp plug on pigtail, insert wiring and lamp plug into mullion.
6. Secure lamp housing on the base with (2) set screws.
7. Turn AC power ON with battery connected at the RPS or central battery system, press the PUSH TO TEST button to check operation. Full battery charge requires 24 hrs.

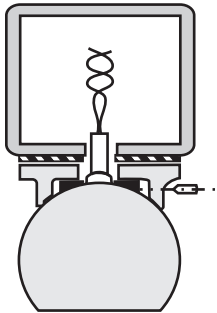
LED MULLION MOUNT EMERGENCY LIGHT WITH CENTRAL BATTERY

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

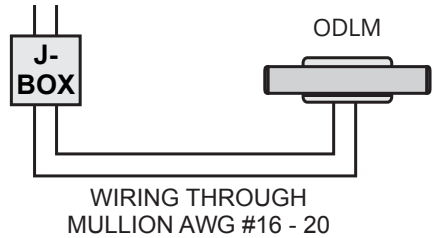
FIG.3



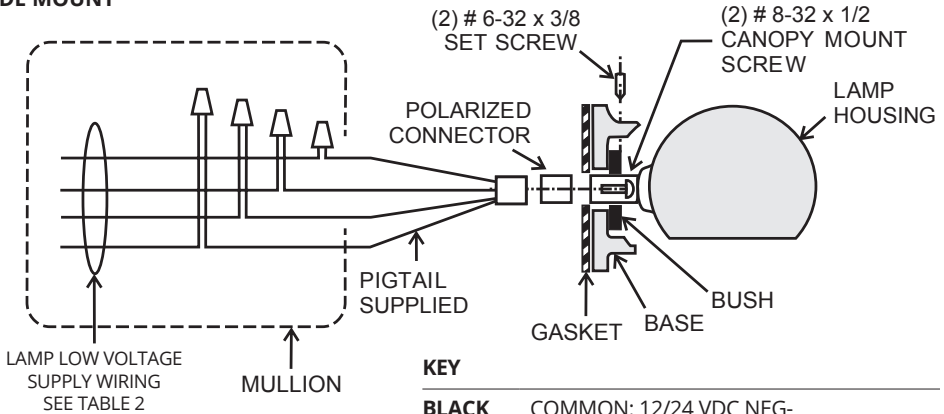
TOP MOUNT (OPTION)



BRANCH CIRCUIT
 INPUT/ OUTPUT 24 VDC



SIDE MOUNT



KEY

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

LED MULLION MOUNT EMERGENCY LIGHT WITH CENTRAL BATTERY *CONTINUED*

FIXTURE ASSEMBLY

1. See Fig 3. Drill 5/8" dia wire access hole and (2) 9/64" dia (or suitable tapping size) mount screw holes in the mullion beam at center of selected fixture location.
2. Loosen (2) #6-32 set screws, release lamp housing from base.
3. Attach base to mullion with (2) #8 screws (not supplied). Tighten evenly on gasket.
4. Route low voltage supply wiring through mullion and attach lamp plug pigtail (supplied) to supply wiring with wire nuts.

MAINTAIN COLOR CODES AT CONNECTOR: RED+ Positive, BLACK- Negative.

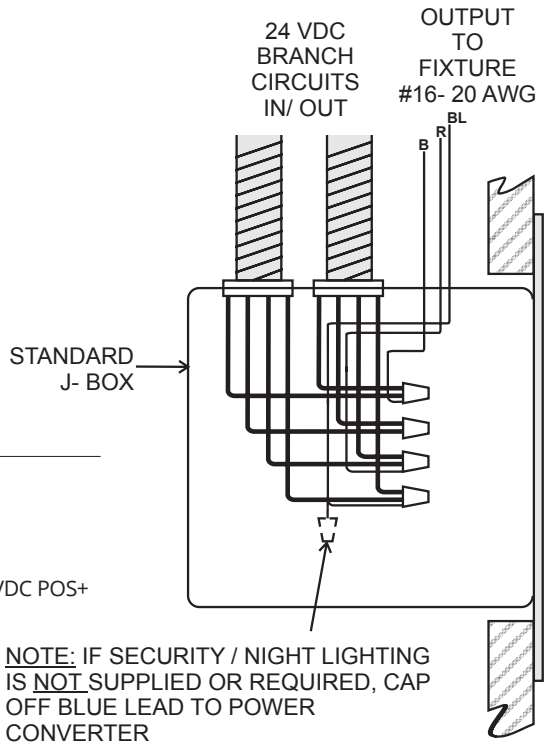
5. Attach polarized lamp plug on pigtail, insert wiring and lamp plug into mullion.
6. Secure lamp housing on the base with (2) set screws.
7. Turn power ON at the RPS or central battery system, press the PUSH TO TEST button to check operation. Full battery charge requires 24 hrs.

TABLE 2
MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE

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

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+ |

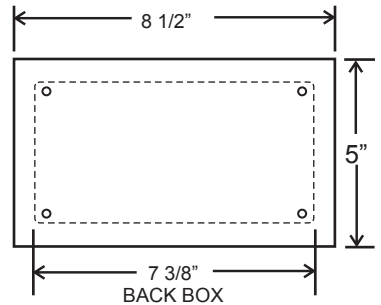
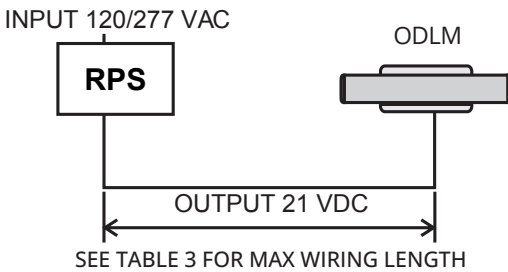
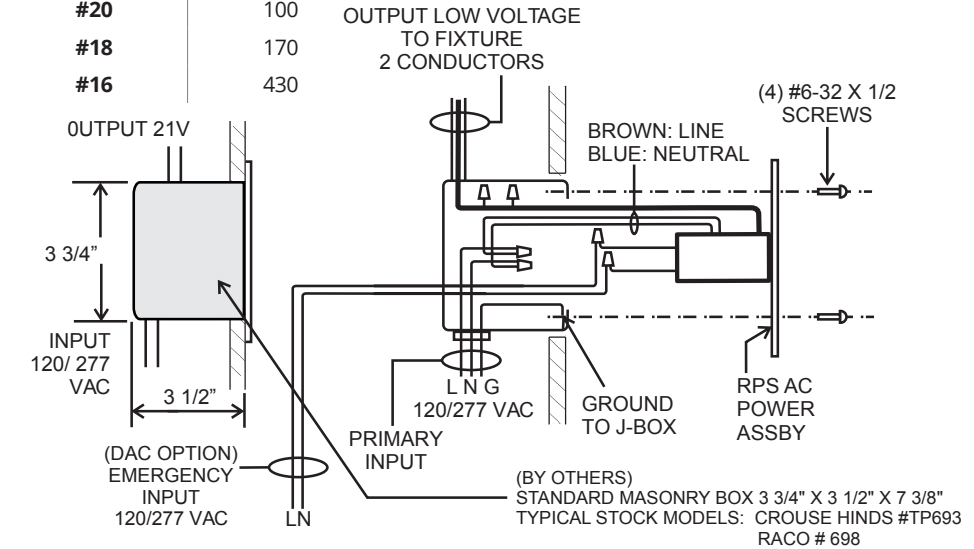


UNIVERSAL 120/277 VAC SUPPLY - 10W

TABLE 3

MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE

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



REMOTE POWER SUPPLY (RPS)

1. 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 3 to estimate wire size required based on maximum wiring length for low voltage output wiring from RPS to the fixture.
2. **INPUT WIRING:** Connect 120/277 AC input wiring to building supply with wire nuts, and connect GROUND to Housing with Screw mount.
3. **(OPTIONAL) DUAL AC INPUT:** Connect 120/277 AC emergency input wiring with wire nuts.
4. **OUTPUT LOW VOLTAGE WIRING:** Connect output wiring to fixture. See Table 3 for minimum wire size based on distance to fixture. Example using #20 AWG, max distance is 100 ft. Route two conductors from the RPS to the fixture location. MAINTAIN YELLOW & BLUE COLOR CODES
5. Turn AC power ON after fixture is connected and check lamp operation.

UNIVERSAL 120/277 VAC SUPPLY - 10W

CONTINUED

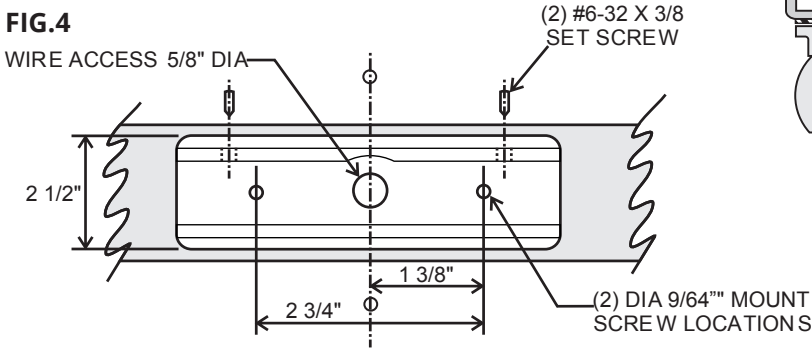
SUITABLE FOR WET LOCATIONS

AMBIENT TEMPERATURE LIMITS

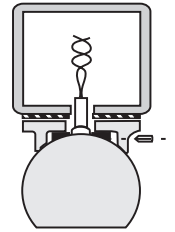
STANDARD MODELS: -20°C TO 40°C

REMOTE MODELS: -40°C TO 50°C

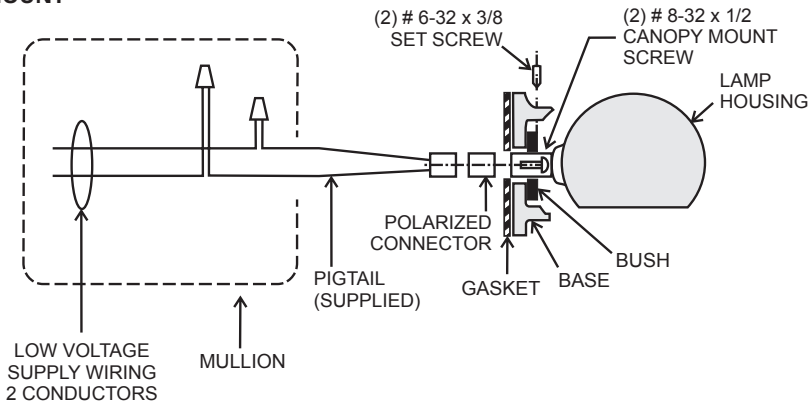
FIG.4



TOP MOUNT (OPTION)



SIDE MOUNT



FIXTURE ASSEMBLY

1. See Fig 4. Drill 5/8" dia wire access hole and (2) 9/64" dia (or suitable tapping size) mount screw holes in the mullion beam at center of selected fixture location.
2. Loosen (2) #6-32 set screws, release lamp housing from base.
3. Attach base to mullion with (2) #8 screws (not supplied). Tighten evenly on gasket.
4. Route low voltage supply wiring through mullion and attach lamp plug pigtail (supplied) to supply wiring with wire nuts.

MAINTAIN COLOR CODES AT CONNECTOR: YELLOW+ Positive, BLUE- Negative.

5. Attach polarized lamp plug on pigtail, insert wiring and lamp plug into mullion.
6. Secure lamp housing on the base with (2) set screws.
7. Turn AC power ON at RPS, to check the lamp operation.

UNIVERSAL 120/277 VAC SUPPLY - 10W WITH DUAL AC INPUT

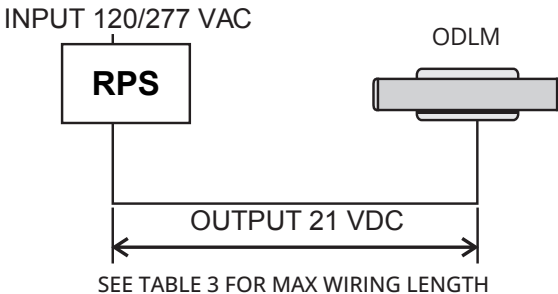
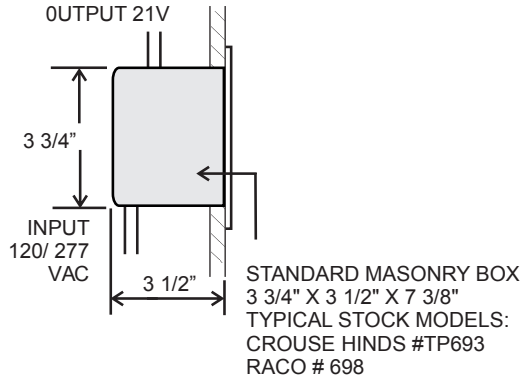
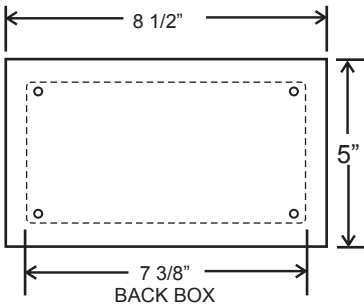
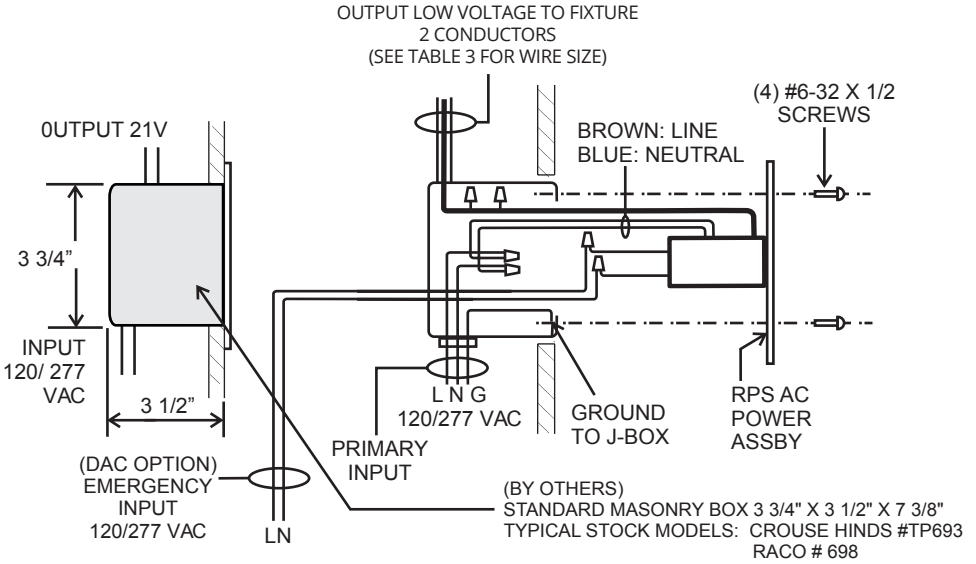


TABLE 3
MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE

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

UNIVERSAL 120/277 VAC SUPPLY - 10W WITH DUAL AC INPUT

CONTINUED

REMOTE POWER SUPPLY (RPS)

1. 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.
2. **INPUT WIRING:** Connect 120/277 AC input wiring to building supply with wire nuts, and connect GROUND to Housing with Screw mount.
3. **(OPTIONAL) DUAL AC INPUT:** Connect 120/277 AC emergency input wiring with wire nuts.
4. **OUTPUT LOW VOLTAGE WIRING:** Connect output wiring to fixture. See Table 3 for minimum wire size based on distance to fixture. Example using #20 AWG, max distance is 100 ft. Route two conductors from the RPS to the fixture location. See Pg. 10 for connection to fixture. MAINTAIN YELLOW & BLUE COLOR CODES. See Table 3 to estimate wire size required based on maximum wiring length for low voltage output wiring from RPS to the fixture.
5. Turn AC power ON after fixture is connected and check lamp operation.

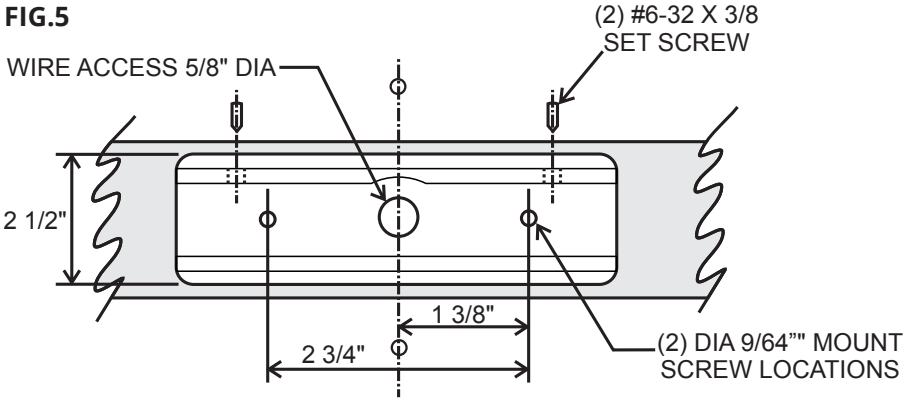
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UNIVERSAL 120/277 VAC SUPPLY - 10W WITH DUAL AC INPUT

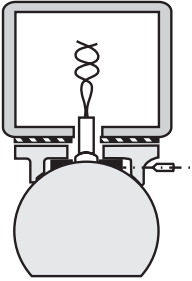
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SUITABLE FOR WET LOCATIONS
AMBIENT TEMPERATURE LIMITS
STANDARD MODELS: -20°C TO 40°C
REMOTE MODELS: -40°C TO 50°C

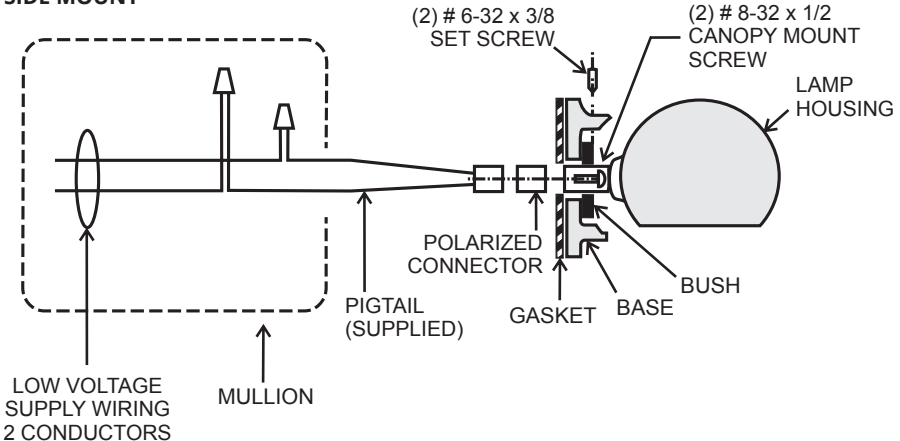
FIG.5



TOP MOUNT (OPTION)



SIDE MOUNT



UNIVERSAL 120/277 VAC SUPPLY - 10W WITH DUAL AC INPUT

CONTINUED

FIXTURE ASSEMBLY

1. See Fig 5. Drill 5/8" dia wire access hole and (2) 9/64" dia (or suitable tapping size) mount screw holes in the mullion beam at center of selected fixture location.
2. Loosen (2) #6-32 set screws, release lamp housing from base.
3. Attach base to mullion with (2) #8 screws (not supplied). Tighten evenly on gasket.
4. Route low voltage supply wiring through mullion and attach lamp plug pigtail (supplied) to supply wiring with wire nuts.

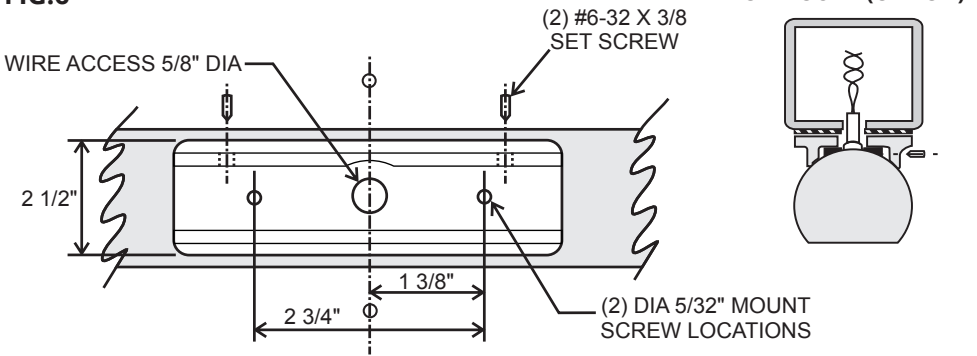
MAINTAIN COLOR CODES AT CONNECTOR: YELLOW+ Positive, BLUE- Negative.

5. Attach polarized lamp plug on pigtail, insert wiring and lamp plug into mullion.
6. Secure lamp housing on the base with (2) set screws.
7. Turn AC power ON at RPS, to check the lamp operation.

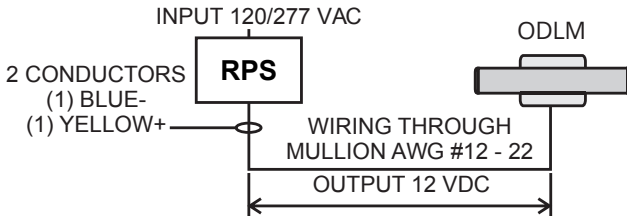
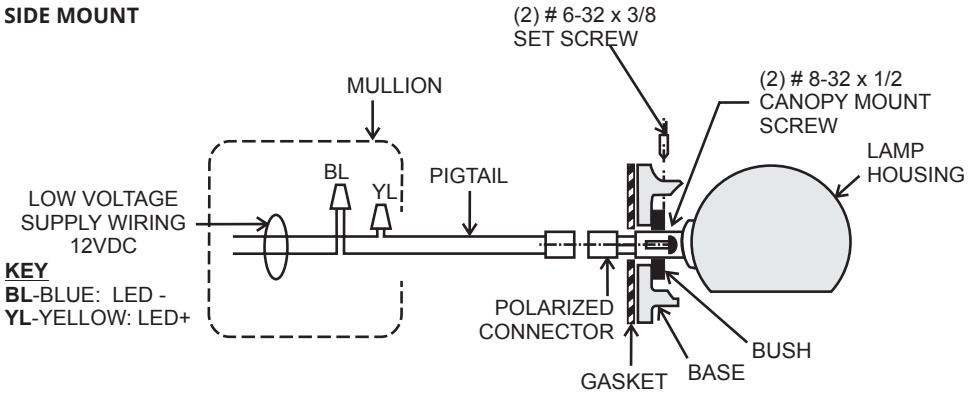
LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP AND SELF-DIAGNOSTICS

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

FIG.6



SIDE MOUNT



SEE TABLE 4 PAGE 15 FOR MAX WIRING LENGTH

LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP AND SELF-DIAGNOSTICS *CONTINUED*

FIXTURE ASSEMBLY

1. See Fig 6. Drill 5/8" dia wire access hole and (2) 9/64" dia (or suitable tapping size) mount screw holes in the mullion beam at center of selected fixture location.
2. Loosen (2) #6-32 set screws, release lamp housing from base.
3. Attach base to mullion with (2) #8 screws (not supplied). Tighten evenly on gasket.
4. Route low voltage supply wiring through mullion and attach lamp plug pigtail (supplied) to supply wiring with wire nuts.

MAINTAIN COLOR CODES AT CONNECTOR: YELLOW+ Positive, BLUE- Negative.

5. Attach polarized lamp plug on pigtail, insert wiring and lamp plug into mullion.
6. Secure lamp housing on the base with (2) set screws. Turn AC power ON with battery connected at the RPS (Remote Power Supply) box, press the PUSH TO TEST button to check operation. Full battery charge requires 24 hrs.

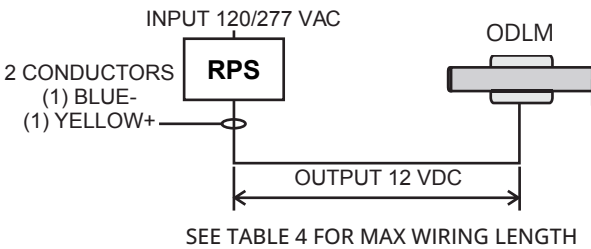


TABLE 4
MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE

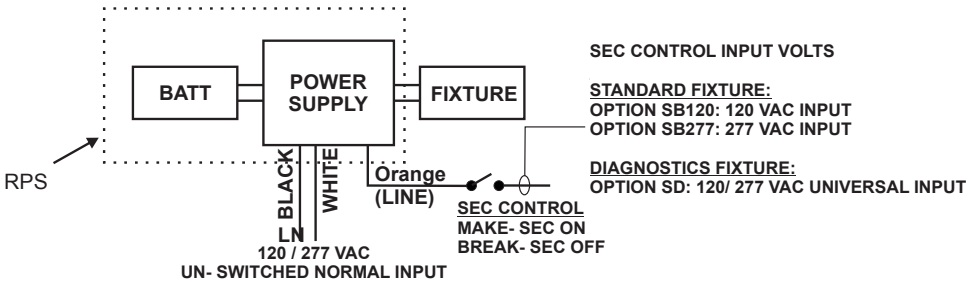
| WIRING SIZE AWG | LENGTH (FT) |
|-----------------|-------------|
| #22 | 25 |
| #20 | 40 |
| #18 | 60 |
| #16 | 100 |
| #14 | 160 |
| #12 | 250 |

REMOTE POWER SUPPLY (RPS)

1. See Fig. 6. 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. See Table 4 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)

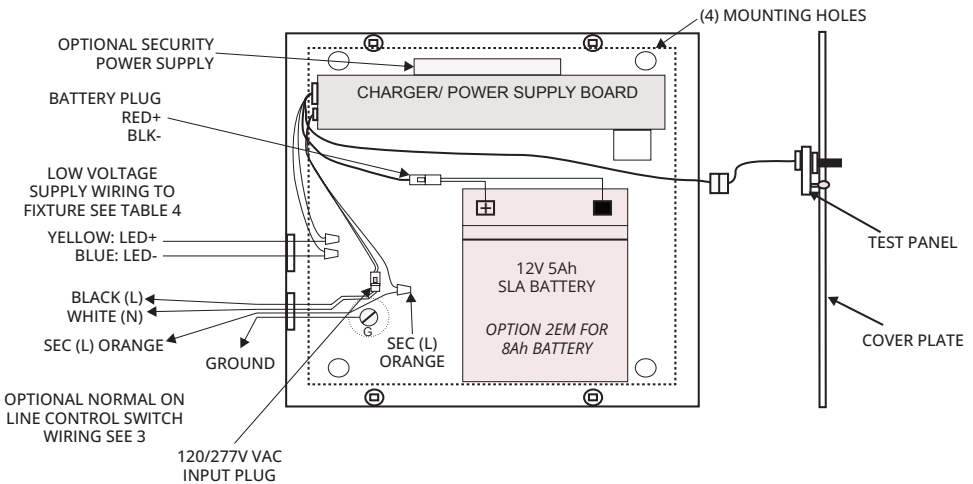
LED ARCHITECTURAL EMERGENCY LIGHT WITH BATTERY BACKUP

CONTINUED



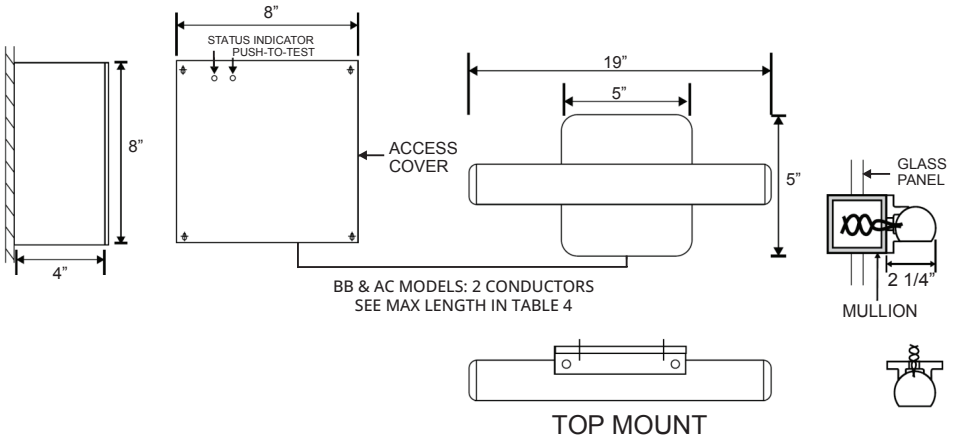
4. OUTPUT LOW VOLTAGE WIRING*: See Table 4 for minimum wire size based on distance to fixture. Example using #20 AWG, max distance is 40 ft. Route conductors from the RPS to the fixture location.

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)

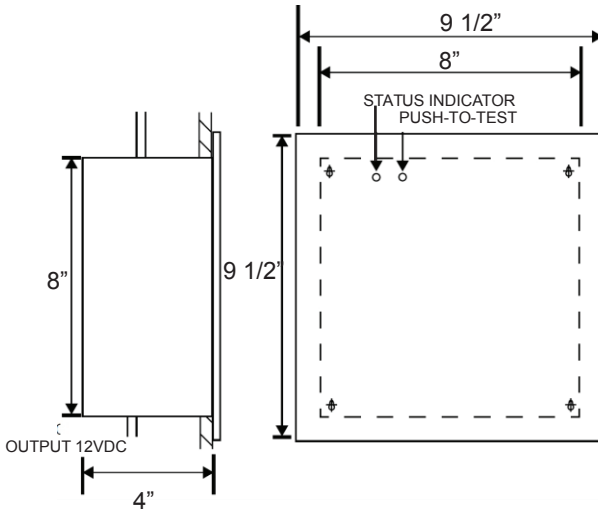


TABLE 4

| 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 |

UNIVERSAL 120/277 VAC SUPPLY - 20W

SUITABLE FOR WET LOCATIONS

AMBIENT TEMPERATURE LIMITS

STANDARD "BB" MODELS: -20°C TO 40°C

REMOTE MODELS: -40°C TO 50°C

FIG.7 OUTPUT LOW VOLTAGE TO FIXTURE
2 CONDUCTORS*
(SEE TABLE 1 FOR WIRE SIZE)

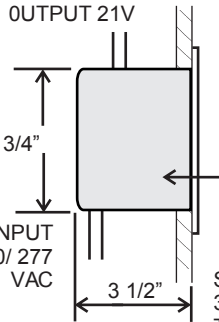
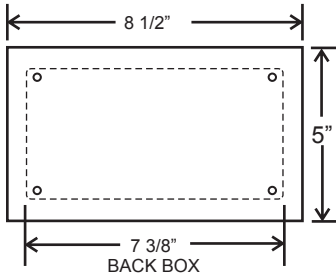
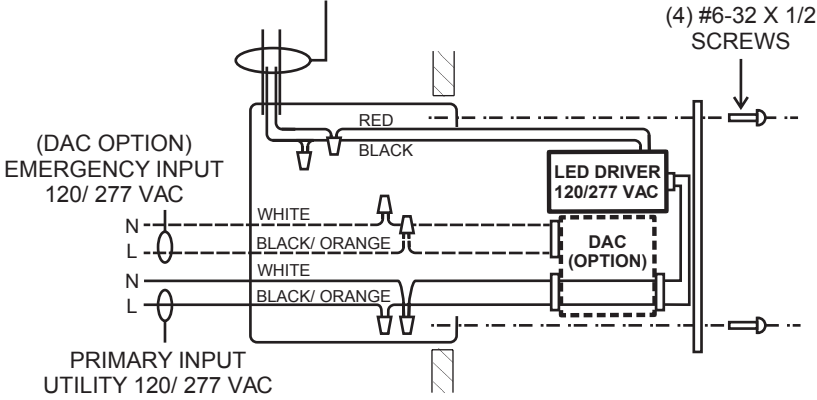
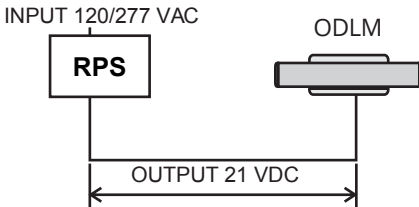


TABLE 5

MAXIMUM WIRING LENGTH FROM RPS TO FIXTURE

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

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



SEE TABLE 5 FOR MAX WIRING LENGTH

REMOTE POWER SUPPLY (RPS)

1. 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 5 to estimate wire size required based on maximum wiring length for low voltage output wiring from RPS to the fixture.
2. **INPUT WIRING:** Connect 120/277 AC input wiring to building supply with wire nuts, and connect GROUND to Housing with Screw mount.
3. **OUTPUT LOW VOLTAGE WIRING:** Connect output wiring to fixture. See Table 1 for minimum wire size based on distance to fixture.
4. Turn AC power ON after fixture is connected and check lamp operation.

UNIVERSAL 120/277 VAC SUPPLY - 20W

CONTINUED

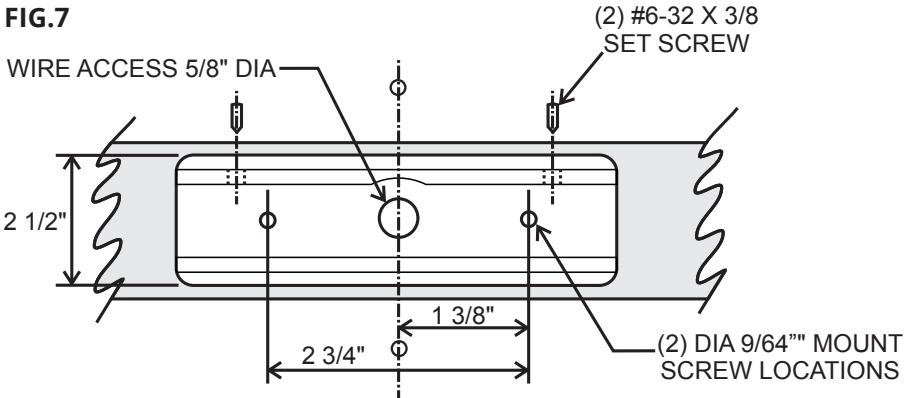
SUITABLE FOR WET LOCATIONS

AMBIENT TEMPERATURE LIMITS

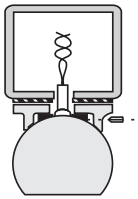
STANDARD "BB" MODELS: -20°C TO 40°C

REMOTE MODELS: -40°C TO 50°C

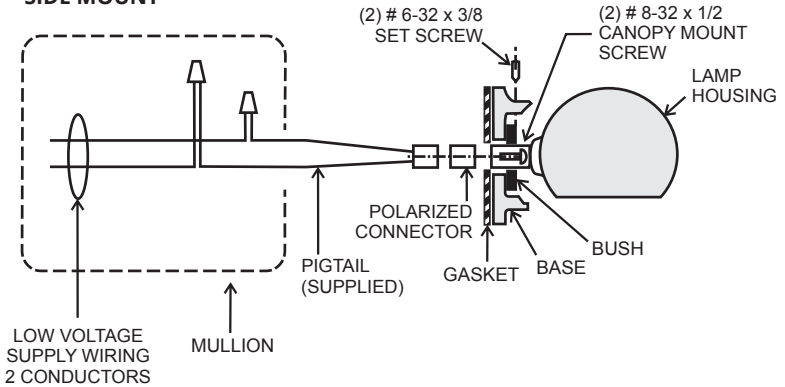
FIG.7



TOP MOUNT (OPTION)



SIDE MOUNT



FIXTURE ASSEMBLY

1. See Fig 7. Drill 5/8" dia wire access hole and (2) 9/64" dia (or suitable tapping size) mount screw holes in the mullion beam at center of selected fixture location.
2. Loosen (2) #6-32 set screws, release lamp housing from base.
3. Attach base to mullion with (2) #8 screws (not supplied). Tighten evenly on gasket.
4. Route low voltage supply wiring through mullion and attach lamp plug pigtail (supplied) to supply wiring with wire nuts.

MAINTAIN COLOR CODES AT CONNECTOR: RED +Positive, BLACK- Negative.

5. Attach polarized lamp plug on pigtail, insert wiring and lamp plug into mullion.
6. Secure lamp housing on the base with (2) set screws.
7. Turn AC power ON at the RPS, to check operation.



SAVE THESE INSTRUCTIONS

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