

INSTRUCTION MANUAL

SERIES:

SQG, SQG-D, SQN, SQN-D

IMPORTANT SAFEGUARDS

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED INCLUDING THE FOLLOWING:

1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
2. DO NOT USE OUTDOORS.
3. DO NOT LET POWER SUPPLY CORDS TOUCH HOT SURFACES.
4. DO NOT MOUNT NEAR GAS OR ELECTRIC HEATERS.
5. USE CAUTION WHEN SERVICING BATTERIES. BATTERY ACID CAN CAUSE BURN TO SKIN AND EYES. IF ACID IS SPILLED ON SKIN OR EYES, FLUSH ACID WITH FRESH WATER AND CONTACT A PHYSICIAN IMMEDIATELY.
6. EQUIPMENT SHOULD BE MOUNTED IN LOCATIONS AND AT HEIGHTS WHERE IT WILL NOT READILY BE SUBJECTED TO TAMPERING BY UNAUTHORIZED PERSONNEL.
7. THE USE OF ACCESSORY EQUIPMENT NOT RECOMENDED BY MANUFACTURER MAY CAUSE AN UNSAFE CONDITION.
8. **CAUTION** IF HALOGEN CYCLE LAMP(S), SYMBOL (H₁), ARE USED IN THIS EQUIPMENT, TO AVOID SHATTERING: DO NOT OPERATE LAMP IN EXCESS OF RATED VOLTAGE, PROTECT LAMP AGAINST ABRASION AND SCRATCHES AND AGAINST LIQUIDS WHEN LAMP IS OPERATING, DISPOSE OF LAMP WITH CARE.
9. HALOGEN CYCLE LAMPS OPERATE AT HIGH TEMPERATURES. DO NOT STORE FLAMMABLE MATERIALS NEAR LAMP.
10. DO NOT USE THIS EQUIPMENT FOR OTHER THAN INTENDED USE.
11. SERVICING OF THIS EQUIPMENT SHOULD BE PERFORMED BY QUALIFIED PERSONNEL

SAVE THESE INSTRUCTIONS

•THIS EQUIPMENT•FACTORY TESTED FOR PROPER FIELD OPERATION•



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Printed in Canada

INSTALLATION

1. Open unit by applying small screwdriver between lens and white housing and gently prying lens (where indicated).
2. Remove two screws that remove the reflector in place and lift out the reflector from the housing.

SEMI-RECESSED MOUNTING (SQR RECESSED KIT REQUIRED)

1. Cut an 8 1/4" square hole in the desired area, ceiling or wall.
2. Mount conduit box securely in the center of the hole and extend **unswitched 24 hour AC supply** into the conduit box.
3. For mounting, knockout appropriate holes including center hole, in back of mounting box.
4. Place steel mounting box over back of unit and after running AC wires into unit, fasten assembly with two screws to conduit box. For suspended ceiling use mounting ears and bars to secure mounting box.
5. Connect neutral input to wire.
6. Connect **120 V AC INPUT LINE** into **BLACK WIRE** , or **277 V AC INPUT LINE** into **ORANGE WIRE**.

CAUTION: CAP UNUSED WIRE - BLACK OR ORANGE. FAILURE TO CAP UNUSED WIRE WILL RESULT IN AN UNSAFE CONDITION AND MAY CAUSE EQUIPMENT FAILURE.

7. Plug P.C. Board battery connectors to battery.
8. Replace reflector and lens.
9. Energize AC supply, charge monitor light will illuminate.
10. Operate **TEST SWITCH**. Emergency lamps will illuminate and charge indicator will go out. Release Test Switch. Emergency lamps will go out and charge indicator will illuminate brightly.

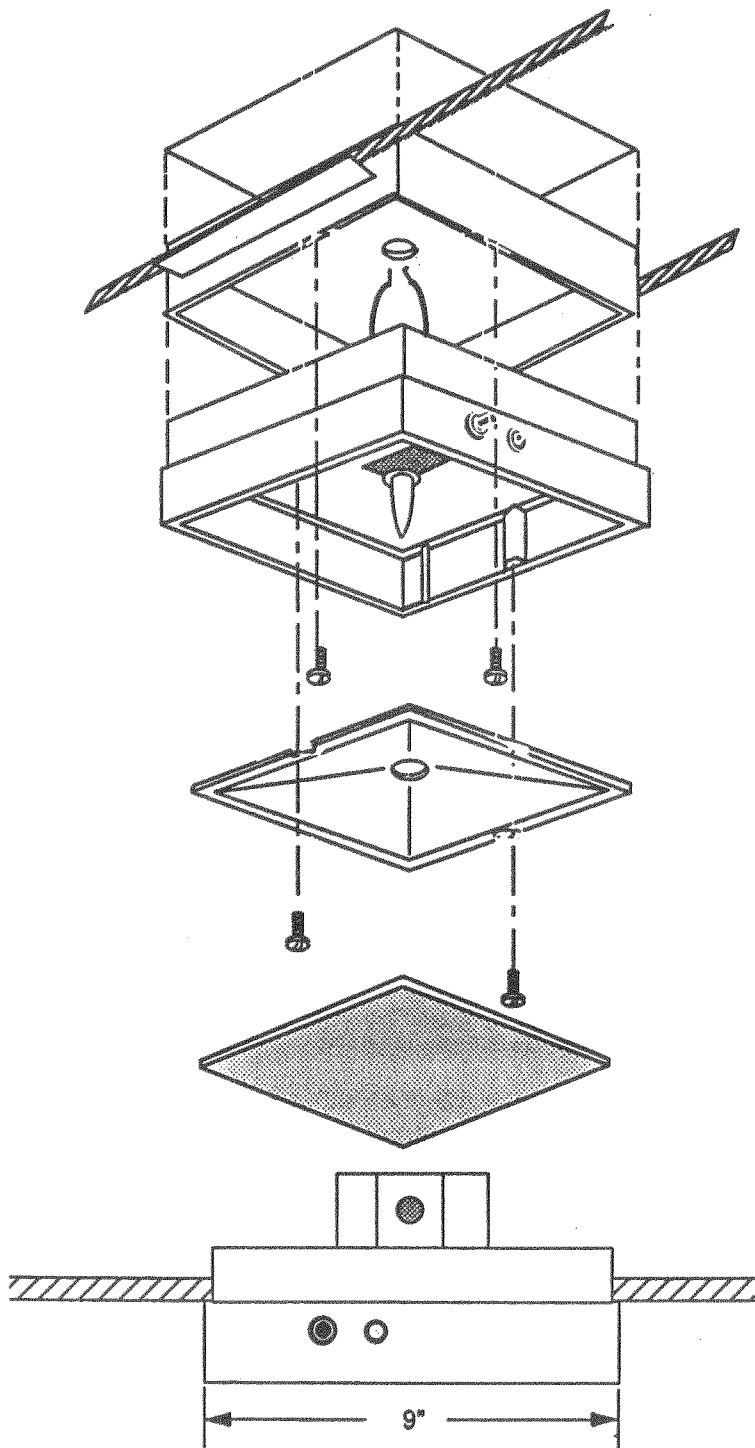
SURFACE MOUNTING

1. Mount conduit box flush with ceiling or wall. Extend an unswitched 24 hour AC supply into box.
2. Knockout appropriate holes, including center hole in back of mounting box and secure with two screws with conduit box.
3. Connect **NEUTRAL INPUT** to **WHITE WIRE**.
4. Connect **120V AC INPUT** to **BLACK WIRE**, or **277V A.C. INPUT LINE** to **ORANGE WIRE**.

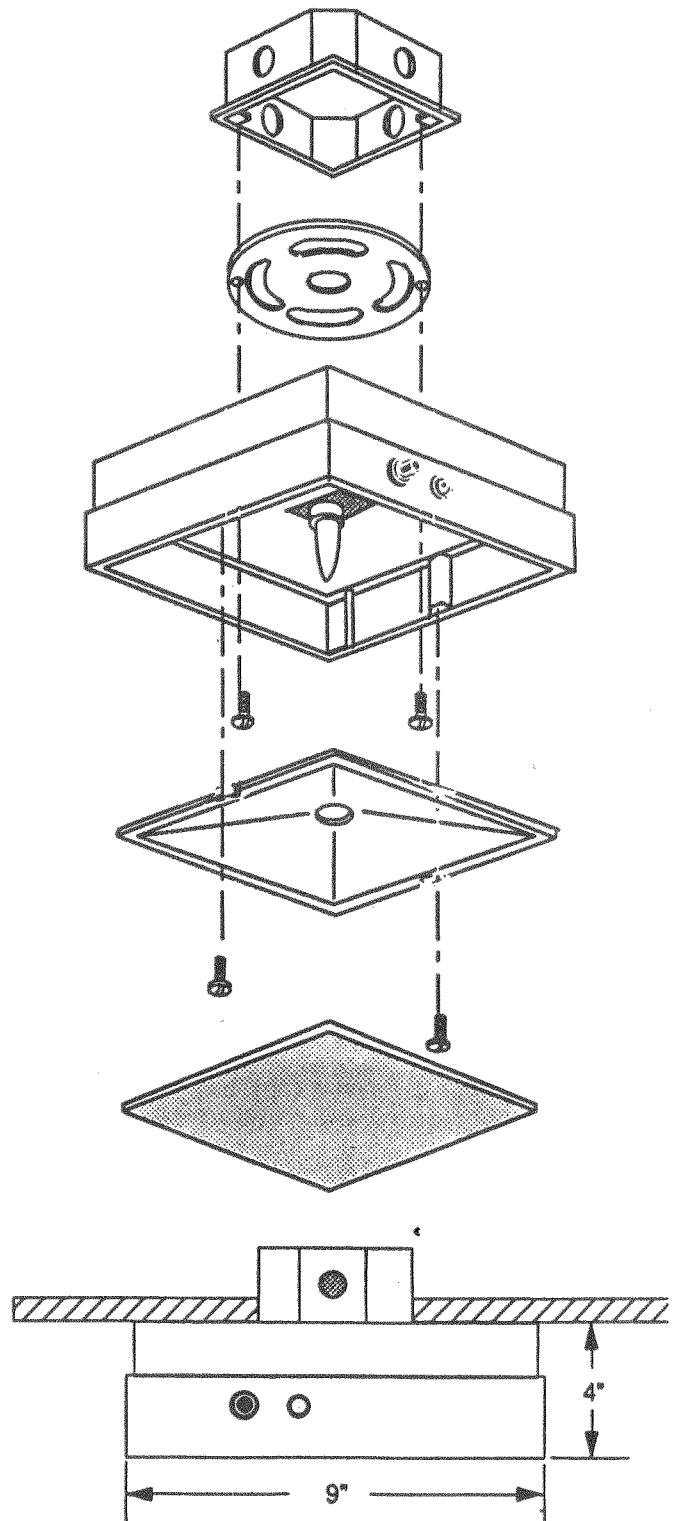
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SEMI-RECESSED MOUNTING



SURFACE MOUNTING



◦FOR REPLACEMENT PARTS CONTACT THE FACTORY◦

SAVE THESE INSTRUCTIONS

OPERATION

1. To test, depress test switch, pilot light will go out and emergency lamps will illuminate.
2. Release test switch. emergency lamps will go out and pilot light will be illuminated.
3. Automatic charge returns battery to a fully charge state.
4. Multi function charge monitor. The charge monitor pilot light serves these functions.

MAINTENANCE

The battery supplied with this equipment requires no maintenance. However, the unit should be tested in accordance with the Life Safety Code. Replace the battery whenever the connected lamps will not light up for 90 minutes. The battery supplied has a life expectancy of 5 to 7 years when installed in an ambient of 72 F. Clean lenses and replace lamps as required.

CAUTION

This equipment is supplied with solid state line-latched circuitry. A "state of the art", low end battery voltage disconnect circuit is also provided to prevent over discharge of the battery. When the battery voltage reaches a preset low level, the lamps will automatically be disconnected from the battery. The emergency lamps may not light up when pressing the test switch immediately after installation or after a long duration power failure. Allow a minimum of 24 hrs. charge time before expecting a full 90 minute lighting of the emergency lamp(s).

TESTING

Periodic Testing of Emergency Lighting Equipment. A functional test shall be conducted on every required emergency lighting system at 30-day intervals for a minimum of 30 seconds. An annual test shall be conducted for the 1 1/2 hour duration. Equipment shall be fully operational for the duration of the test. Written records of testing shall be kept by the owner for inspection by the authority having jurisdiction.

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◦ FOR REPLACEMENT PARTS CONTACT THE FACTORY◦

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