NORMAL OPERATION/MANUAL TEST

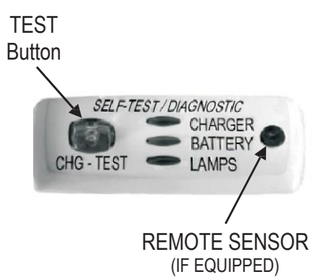
OP-PANEL INDICATORS/OPERATION:

- GREEN - Status: Solid indicates system normal and AC power is on.
  NOTE: To start the Manual test, simply press the Green Indicator (button) as indicated below. To Reset/Cancel a test press the Green Indicator (button) once during any test. When Unit is in test mode the Green Indicator LED is flashing.
- 1 Press: perform a 5-sec brief lamp test, LED strip operating from battery only.
- 2 Presses: perform a 1-min diagnostic test, LED strip operating from battery only.
- 3 Presses: perform a 90-min diagnostic test, LED strip operating from battery only.
- 6-sec Continuous Press: perform a RESET operation.
- CONTINUOUS MONITORING: The system monitors the following continuously: Battery, 2) LED strip, 3) Charger, 4) Transfer function.
- The battery requires at least 24 hours of charge time to perform any extended diagnostic test. If the battery has not charged for 72 hours after installation and a diagnostic test is requested, the charger light will come on and stay on for one minute indicating that the battery is not fully charged for attempted test.

OPTIONAL FACTORY EQUIPPED ITEMS:

- FIRE-ALARM INTERFACE (FI): Unit will be supplied with a connector at the FAFI location and an interface cable to connect to the building system (per wiring diagram).
- FLASHING EM (F): Unit will flash the EXIT sign when operating from the battery only. (Flash rate is 1 flash/sec. with a 70%-on duty cycle.)
- BUZZER EM (B): Unit will buzz for approx. ½ -sec during power-up sequence or after a reset operation. Buzzer does not activate during either manual or automatic testing. Buzzer will only activate when operating from the battery and only due to AC power loss.
- LASER TEST (LX): To operate using a laser pen: use laser pen and point the laser beam over the remote sensor (see below), thereby duplicating the manual button (1,2,3) pushes. The laser must impact the remote sensor for at least 0.2 seconds to be recognized.

TROUBLE INDICATORS/TROUBLESHOOTING



Xtest DISPLAY PANEL INDICATOR:

GREEN - Status: solid indicates system normal and AC power is on and flashes during any manual/auto test cycle.

RED – CHARGER FLASHING: a charger failure requires the diagnostic charger board to be replaced.

RED – BATTERY FLASHING: battery is disconnected or if it is connected and charged for more than 24 hours, a replacement is needed.

RED - LAMP FLASHING: LED strip is disconnected or if it is connected a replacement is needed.

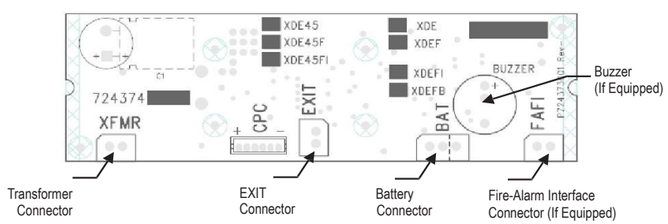
ALL 3 RED FLASHING: bad transfer; battery and LED strip are disconnected or if they are connected a replacement diagnostic charger board is needed.

WIRING INFORMATION

Transformer Inputs

BLACK - 120V
WHITE - Common or Neutral
RED - 277V

Diagnostic Charger Board



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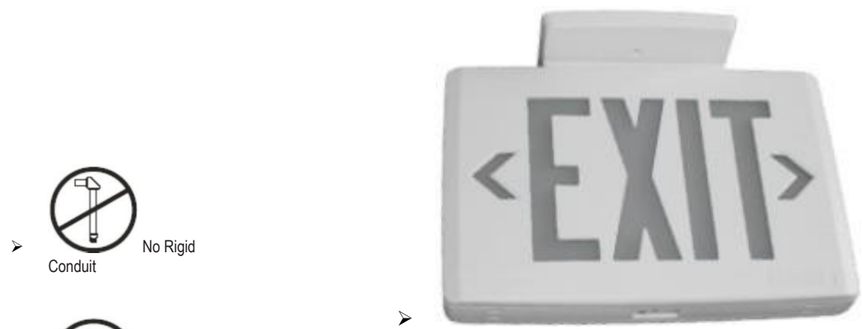
Emergency Lighting
COMPAC
Thermoplastic Exit

CXX Series
INSTRUCTION SHEET



- No Rigid Conduit
- Flexible Conduit Only
- Simple snap-out Chevrons
  - CHEVRON
  - CHEVRON

IMPORTANT SAFEGUARDS
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

WARNING: Electrical Shock Potential!! Do not attempt to install, maintain or relamp without disconnecting all power. Failure to disconnect power can result in electrocution, shock, or severe burns.

CAUTION: This fixture is designed for permanent installation in ordinary (NON-HAZARDOUS) locations in accordance with the National Electrical Code and all applicable local codes. Do not use in areas of limited ventilation or in high ambient enclosures. When using electrical equipment, basic safety precautions should always be followed; including the following:

- Do not use outdoors.
- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or in eyes, flush acid with fresh water and contact a physician immediately.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Do not use this equipment for other than intended use.
- Servicing of this equipment should be performed by qualified personnel only.

SAVE THESE INSTRUCTIONS

INSTALLATION

INSTRUCTIONS WALL (BACK) MOUNT

Remove stencil door (front) from exit housing. Place screwdriver in slot 1 on bottom of housing and gently pry door in direction 2. Repeat on opposite corner. Door should pop loose. See Fig. 1.

It is not necessary to remove back plate from housing when wall mounting.

Route AC service wires through the round center knockout in back plate, mount back plate to outlet box using screws. Use the Box pattern knockouts in the back panel as needed to mount to wall box and secure unit to the wall. See Fig. 2.

Remove snap out chevrons as needed.

Make AC service connection at this time. See OPERATING INSTRUCTIONS.

Fig. 1

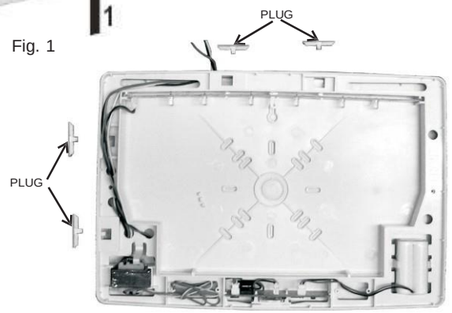


Fig. 2

INSTRUCTIONS BACK PLATE REMOVAL (DOUBLE FACE ONLY)

To remove back plate, place screwdriver in slot 1 on bottom of housing and gently pry door in direction 2. Repeat on opposite corner. Door should pop loose. See Fig. 1.

Snap on EXIT stencil and reassemble exit.

INSTRUCTIONS CEILING / END MOUNT

Remove the two snap-out plugs at the desired location for the canopy to fit. See Fig. 2.

Route supply wires through the hole in the body for the canopy that is labeled "<<INPUT FEED ACCESS".

Thread wires through opening in canopy. Insert canopy into holes in body and snap locking bracket (Fig.3) into place, making sure wires are clear.

Align the metal adapter plate for mounting direction and mount it to the junction box with the input wires out though the center hole.

Make AC service connection and push the wires and wire nuts back into junction box through the center hole in the metal adapter plate and mount the canopy/exit-sign to the metal adapter. SEE OPERATING INSTRUCTIONS

Remove the snap-out chevrons in the EXIT panels as needed, replace EXIT panel(s) back on to the sign and proceed to POWER- UP SEQUENCE.

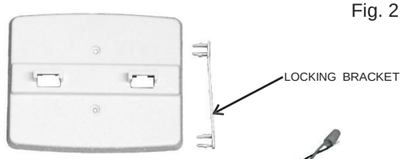


Fig. 3

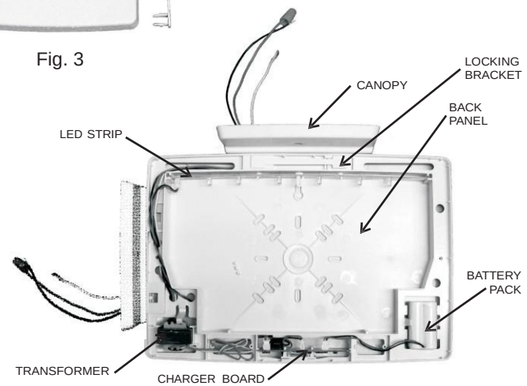


Fig. 4

OPERATING INSTRUCTIONS

1. Connect AC supply wires to transformer leads and push through knockout into outlet or ceiling/surface box. Observe the wire colors.
   BLACK wire 120 volt AC input.
   WHITE wire common or neutral for 120 or 277 volts AC input.
   RED wire 277 volt AC input.
   CAUTION: CAP ALL UNUSED BLACK OR RED WIRES TO PREVENT SHORTING OR ELECTRICAL SHOCK.
   Note: when all wiring connections are made, push wires thru knockout into outlet box.
2. Connect the red and black wire with the 2-pin connector from battery to BATT connector on the diagnostic charger board, if not already connected.
3. Connect the red and white wire with the 2-pin connector from transformer to XFMR connector on the diagnostic charger board if not already connected..
4. Energize AC power to equipment and check the unit using the POWER-UP SEQUENCE (see next page). Leave AC connected for a minimum of 24 hours to charge battery before performing normal operation/manual tests.

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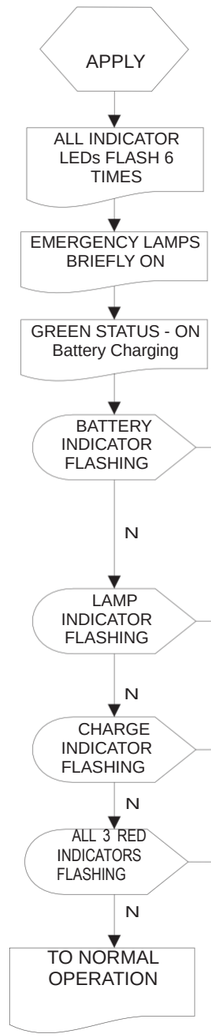
NORMAL POWER-UP SEQUENCE

SELF-TESTING / SELF-DIAGNOSTIC
The unit will self-test approximately every 30 days for a minimum of 30 minutes.



BATTERY DIAGNOSTIC INDICATOR FLASHING AFTER POWER-UP:
1) Most likely the Battery is not connected. Verify that the Battery is connected to the diagnostic charger board.
2) If the Battery is connected, wait for 24 hours to charge the Battery. After 24 hours, if the Battery indicator LED is flashing, the Battery is faulty and needs to be replaced.
3) After Battery replacement, the Battery indicator LED will stop flashing within approximately 10 to 20-sec.

LAMP DIAGNOSTIC INDICATOR FLASHING AFTER POWER-UP:
1) Verify that the LED strip is connected to the diagnostic charger board.
2) If some or all of the LEDs are off, the LED strip needs to be replaced.

CHARGER DIAGNOSTIC INDICATOR FLASHING AFTER POWER-UP:
1) Indicates a faulty diagnostic charger board that must be replaced.

ALL 3 DIAGNOSTIC INDICATORS FLASHING AFTER POWER-UP:
1) Verify that the LED strip and the Battery are connected to the diagnostic charger board.
2) If everything is connected then the Transfer function is faulty and the diagnostic charger board must be replaced.

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