

IMPORTANT SAFEGUARDS

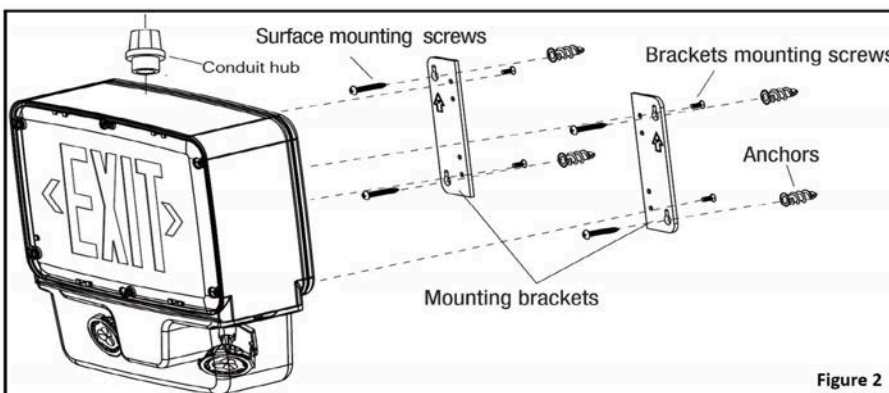
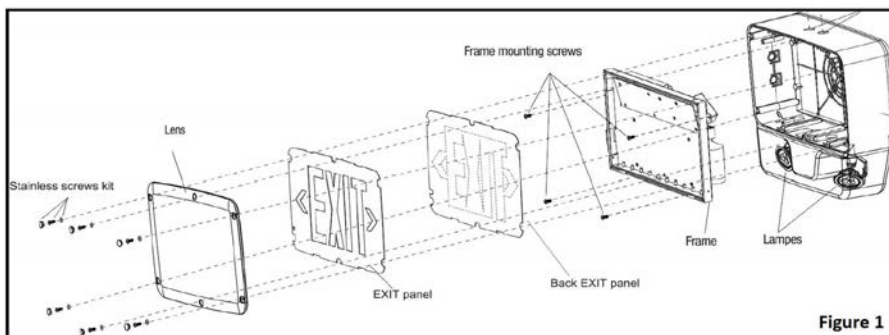


⚠ WARNING
Risk of fire, electric shock or personal injury Before installation, turn off power!

Read & Follow All Safety Instructions

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

1. Make sure the area is NON-HAZARDOUS before installing or servicing the unit.
2. Turn off electrical power and disconnect battery before and during installation.
3. Turn off electrical power, disconnect the battery and allow the unit to cool off before opening for maintenance or servicing.
4. Do not install where the marked operating temperatures (T-Code) exceed the ignition temperature of the hazardous atmosphere.
5. Keep tightly closed when in operation.
6. Do not mount near gas or electric heaters.
7. Avoid possible shorting with batteries.
8. Equipment should be mounted in locations and at heights where it will not readily be subject to tampering by unauthorized personnel.
9. The use of accessory equipment not authorized by the manufacturer may cause an unsafe condition.
10. Do not use this equipment for other than its intended purpose.
11. Servicing of this equipment should only be performed by qualified service personnel.



INSTALLATION STEPS

WALL MOUNT - INSTALLATION WITH MOUNTING BRACKETS (1-FACE UNITS)

1. The branch circuit supply shall be disconnected prior to installation
2. Mount the (2) surface mounting brackets provided onto the backplate and secure using the four #7-21x3/8" flat head screws provided (Figure 2)
3. Place the housing on the required surface and drill (4) mounting holes on the wall, using the mounting bracket holes as a drilling template
4. Using a mallet, tap the four screw anchors into the holes (Figure 2)
5. Remove the (6) plastic caps, (6) screws and (12) O-rings from the EXIT lens and set aside
6. Separate the lens and EXIT panel assembly (three pieces) from the housing
7. Make all wiring connections outside the luminaire
8. Refer to the "Wiring Diagrams" section (see pages 4-5) and make electrical connections outside the enclosure using Listed wire connectors suitable for the number and size of the conductors. Use suitable wiring method in accordance with the NEC and local codes for the specific Hazardous Location. Cap off the unused (red or black) lead. Ensure that the wires are tucked away neatly in the channel between the interior frame and external enclosure. Complete battery connection.
9. If remote lamps are to be connected to the Castex 800, refer to the "Wiring Diagrams" section (see pages 4-5) and make electrical connections inside the enclosure using Listed wire connectors suitable for the number and size of the conductors. Use suitable wiring methods in accordance with the NEC and local codes for the specific Hazardous Location.
10. Remove one or both of the directional indicators from the EXIT panel, as needed
11. Reinstall the lens and EXIT panel assembly using the (6) plastic caps, (6) screws and (12) O - rings previously removed (in step 4) and set aside. Tighten the screws enough to compress the O - rings to ensure a good sealed joint. Be careful not to overtighten, as that could result in damaging the lens and affect proper sealing of the unit.
12. Mount the fixture to the surface using the four #1/4-8x1-1/4" pan head mounting screws and previously installed screw anchors
13. Apply power. NOTE: Allow the unit to charge for 24 hours before testing it in emergency mode

PENDANT MOUNT INSTALLATION (2 FACE UNITS)

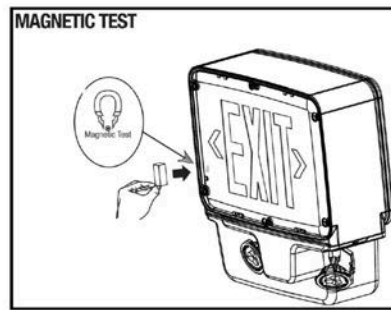
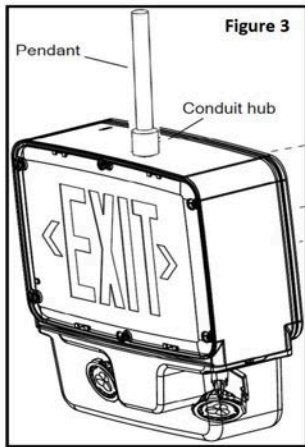
1. The branch circuit supply shall be disconnected prior to installation
2. Remove the (6) plastic caps, (6) screws and (12) O-rings from the EXIT lens and set aside
3. Separate the lens and EXIT panel assembly (three pieces) from the housing
4. Position and install the conduit (pendant)
5. Make all wiring connections outside the luminaire
6. Refer to the "Wiring Diagrams" section (see pages 4-5) and make electrical connections outside the enclosure using Listed wire connectors suitable for the number and size of conductors. Use suitable wiring method in accordance with the NEC and local codes for the specific Hazardous Location. Cap off the unused (red or black) lead. Ensure that the wires are tucked away neatly in the channel between the interior frame and external enclosure. Complete battery connection.
7. If remote lamps are to be connected to the Castex 800, refer to the "Wiring Diagrams" section (see pages 4-5) and make electrical connections inside the enclosure using Listed wire connectors suitable for the number and size of the conductors. Use suitable wiring methods in accordance with the NEC and local codes for the specific Hazardous Location.
8. Remove one or both of the directional indicators from the EXIT panels as needed
9. Reinstall the lens and EXIT panel assembly, using the (6) plastic caps, (6) screws and (12) O-rings previously removed (under step 2) and set aside. Tighten the screws enough to compress the O-rings to ensure a good sealed joint. Be careful not to overtighten, as that could result in damaging the lens and affect proper sealing of the unit
10. Apply power NOTE: Allow the unit to charge for 24 hours before testing emergency mode

OPERATION & TESTING

National Electric Code (NEC) and NFPA 101 current Life Safety code requirements require that routine tests need to be performed as listed below:

1. Once every month, the unit needs to be tested for a duration of 30 seconds. Place and hold the magnet near the magnetic switch on the fixture to perform this test (Figure 3).
2. Once every 12 months, a full 90-minute (per UL requirements) test needs to be performed on the unit. Disconnect power to the unit and leave it in the emergency mode. The EXIT and the lamp heads should stay ON for at least 90 minutes.

Written records of the testing are to be kept for examination by the authority having jurisdiction



LED STATUS INDICATOR KEY & TROUBLESHOOTING

LED status	Indication	Action to take
Red	<ol style="list-style-type: none"> 1. Battery connection is not made 2. Battery has been diagnosed as dead or defective after 24 hours of continuous charging with AC power supplied 	<ol style="list-style-type: none"> 1. Make connection; or if battery is connected, disconnect battery for eight seconds and then reconnect. 2. Replace the battery.
Green	Battery is connected, AC power has been supplied and fixture is in charging state.	This is the normal state. No action required.
Unlit	AC power has not been supplied or unit is in EM mode	Supply AC power or wait until utility power is restored

MAINTENANCE

CAUTIONS: To reduce the risk of ignition of hazardous atmospheres, disconnect the exit sign from the supply circuit. Determine the area is non-hazardous before opening the enclosure and disconnect the battery. Keep tightly closed when in operation. Servicing should be performed only by a qualified service technician. Use only MANUFACTURER supplied replacement parts.

BATTERY: The battery supplied requires no maintenance. However, it should be tested periodically and replaced when it no longer operates the connected unit for the duration of a 30-second or 90-minute test.

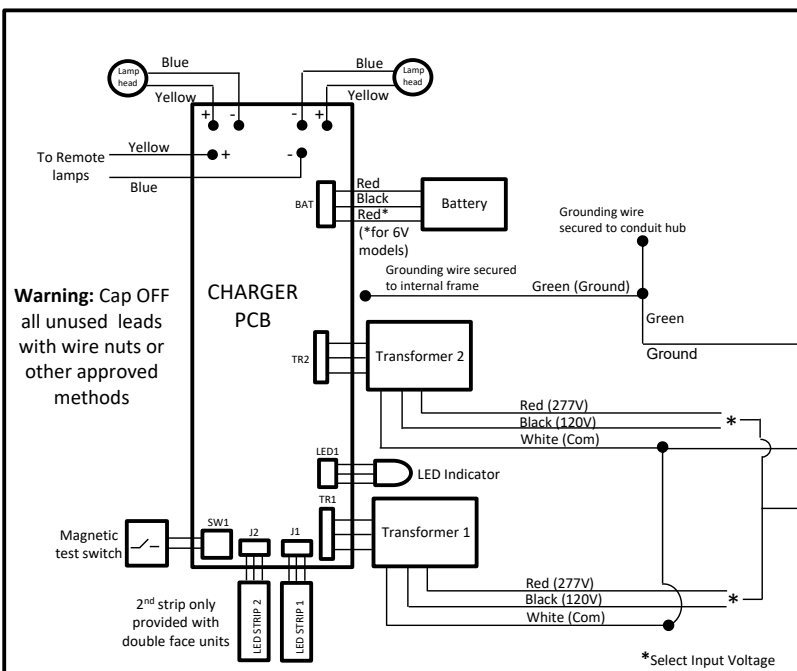
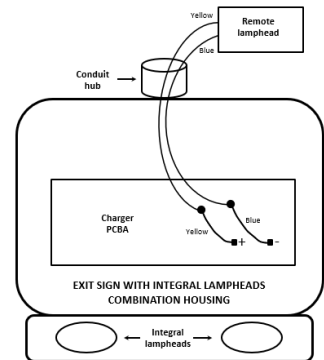
Field Wiring Connections/Wiring Diagrams:

Refer to Wiring diagrams A & B for standard model and C & D for internal heater (IH) models. The field wire connections are to be made as follows:

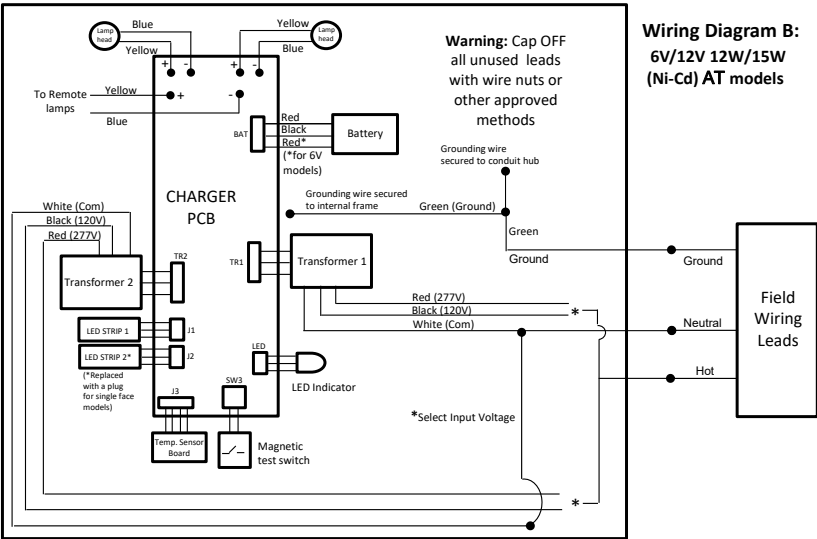
1. The Exit sign and Emergency lamps are provided with color coded field lead wires exiting the single conduit hub opening, as indicated in the table below
2. Connect the matching color leads together from the Castex 800 and the field supply wires. Make all electrical supply connections outside of the unit using Listed wiring connectors suitable for the number and size of the conductors.
3. Cap off the unused lead wires (Black, 120VAC) or (Red, 277VAC) using Listed wire connectors suitable for the number and size of conductors
4. Feed the yellow and blue lead wires from the remote/external load through the conduit hub into the fixture housing. For remote/external circuit connections, use wired rated to a minimum to a minimum of 90°C.
5. Connect the yellow and blue leads from the remote/external load to the yellow and blue leads identified as "DC OUTPUT 6V" or "DC OUTPUT 12V" within the fixture, using Listed wire connectors suitable for the number and size of conductors (Figure 4)
6. If no remote lamps are being connected, then insulate the remote/external load lead ends inside the fixture with Listed wire connectors

Lead Wire Color	Function/Identification	Number of Wires	
		Without -IH option	With -IH option
Green	Ground	2	2
White	Neutral	2	3
Black	120VAC Power	2	3
Red	277VAC Power	2	3

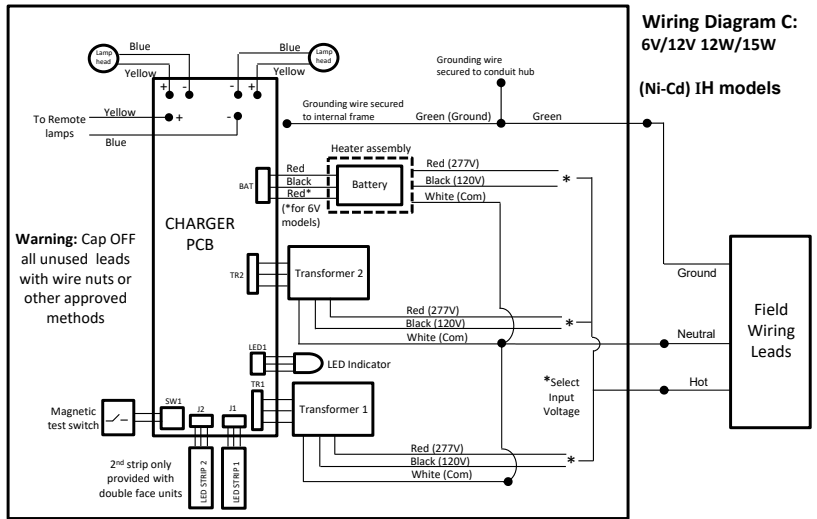
FIGURE 4



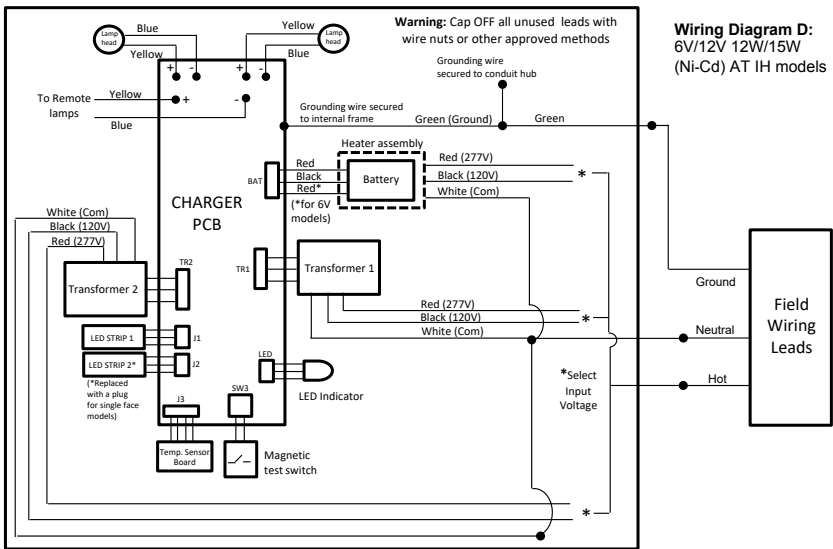
Wiring Diagram A:
6V/12V 12W/15W
(Ni-Cd) models



Wiring Diagram B:
6V/12V 12W/15W
(Ni-Cd) AT models



Wiring Diagram C:
6V/12V 12W/15W
(Ni-Cd) IH models



Wiring Diagram D:
6V/12V 12W/15W
(Ni-Cd) AT IH models