

**CAUTION: THE INSTALLATION AND SERVICING OF THIS PRODUCT SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN OR SERVICE PERSONNEL**  
ATTENTION : L'INSTALLATION ET L'ENTRETIEN DE CE PRODUIT DOIVENT ÊTRE EFFECTUÉS PAR UN ÉLECTRICIEN OU UN MEMBRE DU PERSONNEL QUALIFIÉ.



### 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. The lamp and fixture operate at high temperatures; contact with combustible material can cause fire and personal contact can cause severe burns. When using electrical equipment, basic safety precautions should always be followed; including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

1. Do not let power supply cords touch hot surfaces.
2. Do not mount near gas or electric heaters.
3. 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.
4. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
5. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
6. **CAUTION:** Halogen cycle lamp(s) 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.
7. Halogen cycle lamps operate at high temperatures. Do not store or place flammable materials near lamp.
8. Do not use this equipment for other than intended use.
9. Servicing of this equipment should be performed by qualified personnel only.

SAVE THESE INSTRUCTIONS

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**ATTENTION:** Ce luminaire a été conçu pour une installation permanente dans un emplacement régulier (non dangereux) et en conformité avec le Code électrique canadien et codes locaux applicables. Ne jamais installer dans un endroit où la ventilation est limitée ou dans des boîtiers où la température ambiante est très élevée. La lampe et le luminaire fonctionnent à des températures élevées, un contact avec des matériaux combustibles peut engendrer un incendie et un contact corporel peut causer de sévères brûlures.

# PHILIPS

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717083103  
FEBRUARY 2016

# INSTALLATION INSTRUCTIONS

## 65X SERIES

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**CAUTION: THE INSTALLATION AND SERVICING OF THIS PRODUCT SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN OR SERVICE PERSONNEL**  
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### NORMAL OPERATION/MANUAL TEST

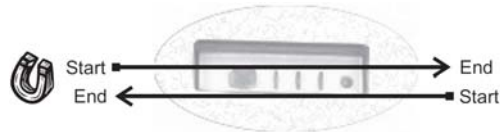
#### OP-PANEL INDICATORS/OPERATION:

1. GREEN - Status: Solid indicates system normal and AC power is on.
2. 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).
3. Once during any test. When Unit is in test mode the Green Indicator LED is flashing.
4. 1 Press: perform a 5-sec brief lamp test, all Lamps operating from battery only.
5. 2 Presses: perform a 1-min diagnostic test, all Lamps operating from battery only.
6. 3 Presses: perform a 90-min diagnostic test, all Lamps operating from battery only.
7. 6-sec Continuous Press: perform a RESET operation.
8. CONTINUOUS MONITORING: The system monitors the following continuously:
  - 1) Battery, 2) Lamps, 3) Charger, 4) Transfer function.

The battery requires at least 72 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. (The 5-sec brief lamp test is always allowed.)

#### STANDARD FACTORY EQUIPPED ITEMS:

**MAGNET TEST:** To manually test unit using a magnet: sweep the magnet over the diagnostic window as shown, thereby duplicating pressing the manual button.



#### OPTIONAL FACTORY EQUIPPED ITEMS:

1. REMOTE: Unit will be supplied with pigtail connector cable required to control and operate a remote of up to rated MAX. wattage.
2. TIME DELAY: After a power failure and power is restored, the lamps will remain lit for a 15-min period (provided battery capacity remains). Note: The Green power indicator LED will flash slowly during the 15-min. period.
3. LASER TEST: 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.
4. LESS SELF-TEST: Monthly automatic self-tests will not be performed. (Lamps will not energize on an automatic monthly schedule.)

### TROUBLE INDICATORS/TROUBLESHOOTING



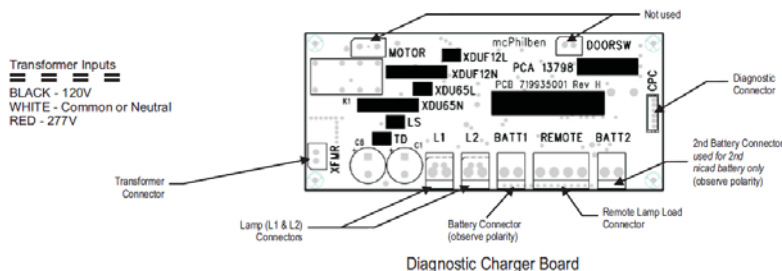
TEST Button

REMOTE SENSOR

#### Xtest DISPLAY PANEL INDICATOR:

1. GREEN - Status: solid indicates system normal and AC power is on and flashes during any manual/auto test cycle.
2. RED – CHARGER FLASHING: a charger failure requires the diagnostic charger board to be replaced.
3. RED – BATTERY FLASHING: battery is disconnected or if it is connected a replacement is needed.
4. RED - LAMP FLASHING: Lamp(s) is disconnected or if it is connected a replacement is needed. (If 4pin remote pigtail is connected to diagnostic charger board and no remote lamp is attached, the LAMPS indicator will flash. Connect a remote lamp or disconnect remote pigtail.)
5. ALL 3 RED FLASHING: bad transfer; battery and lamps are disconnected or if they are connected a replacement diagnostic charger board is needed.

### WIRING INFORMATION



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# INSTALLATION INSTRUCTIONS

## 65X SERIES

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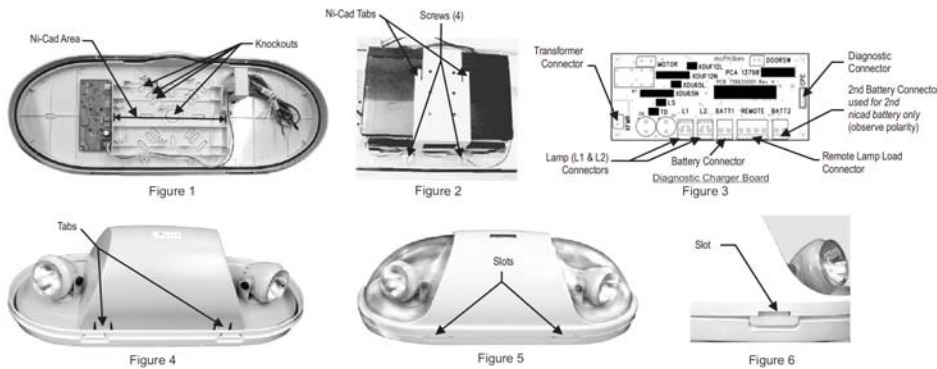
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### INSTRUCTIONS WALL (BACK) MOUNT

1. Remove back plate from carton.
2. For wet location installation only, peel adhesive backing from provided gasket and apply to back plate.
3. Route AC service wires through knockout hole in back plate, mount back plate to outlet box using screws. See Figure 1
4. Make AC service connection at this time. See OPERATING INSTRUCTIONS on next page before continuing with next step.
5. Install battery using bracket and screws (4) provided, see Figure 2. Note: when installing a Ni-Cad battery pack, place it with label side up and in the long section of battery compartment, see Figure 1. Make sure the tabs on the bracket are bent down to secure battery, see Figure 2.
6. Remove inside cover with lamp heads from carton and plug lamp cables into L1 and L2 connectors on the diagnostic charger board, see Figure 3.
7. Reconnect/verify at this time that all cables (including battery cables) are connected to the proper location on the diagnostic charger board, see Figure 3.
8. Install inside cover by gently squeezing and pushing tabs indicated in Figure 4 to the inside of the back plate.
9. Remove outside cover and lens assembly from carton and install over inside cover.
10. Install outside cover by aligning tabs and slots shown in Figures 5 and 6, and snap cover into place.
11. For wet location installation only, after installation is complete apply silicone sealant around joint between 65X and mounting surface.

### INSTRUCTIONS LAMP REPLACEMENT

Open outside cover and lens assembly using a flat head screwdriver (see Figure 5 and 6), replace with new lamp. Replace cover and lens assembly and snap into place.



### INSTRUCTIONS COLD WEATHER OPTION

#### 120VAC INSTALLATION

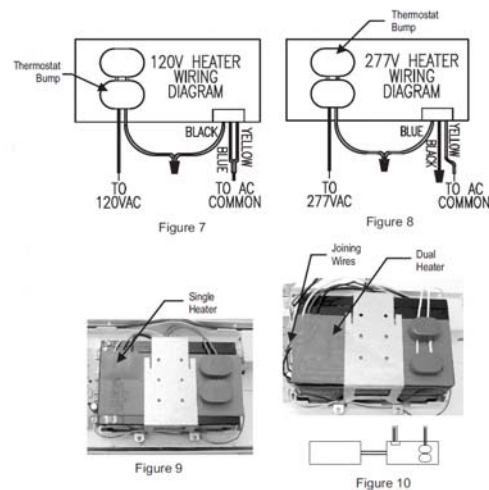
1. Connect the blue and the yellow wire from the heater to Common, see Figure 7.
2. Connect one wire from thermostat bump to black from the heater with wire nut, see Figure 7.
3. Connect second wire from thermostat bump to 120VAC incoming power. (See OPERATING INSTRUCTIONS for transformer connections).

#### 277VAC INSTALLATION

1. Connect the yellow wire from the heater to Common and cap off black wire from heater, see Figure 8.
2. Connect one wire from thermostat bump to blue from the heater with wire nut, see Figure 8.
3. Connect second wire from thermostat bump to 277VAC incoming power. (See OPERATING INSTRUCTIONS for transformer connections).

### HEATER INSTALLATION

1. For single battery unit: place the heater on top of the battery under the provided bracket and secure both heater and battery with screws (4), see Figure 9.
2. For double battery unit: place the heater over the top battery and under the bottom battery (see Figure 10) and secure with screws (4).



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### INSTALLATION CONTINUED

#### OPERATING INSTRUCTIONS

1. Make AC service connection at this time. Observe wire colors:  
 Black wire – 120 volt input  
 White wire – common or neutral for 120 or 277 volt input  
 Red wire – 277 volt input  
 Make supply connections and then push connections into outlet box.  
**CAUTION CAP ALL UNUSED BLACK OR RED WIRES TO PREVENT SHORTING OR ELECTRICAL SHOCK**
2. Plug the battery cable into the BATT1 connector on the diagnostic charger board. For two Nicad Batteries, plug the battery cables into BATT1 and BATT2 connectors respectively. (See Figure 3.)
3. Energize AC power to equipment and check the unit using the POWERUP SEQUENCE as a guide.
4. Leave AC connected for a minimum of 72 hours to charge battery before performing any extended testing.

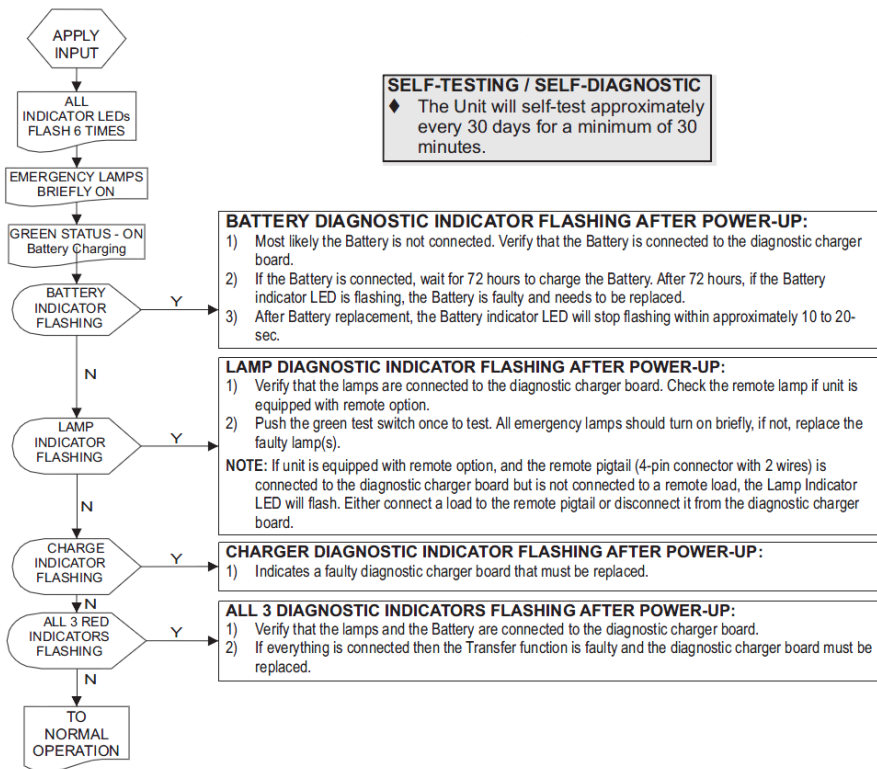
#### REMOTE LAMP HEAD HOOKUP INSTRUCTIONS

NOTE: Observe output rating and do not exceed maximum load combining all lamp connections.

1. The total watts on L1 or L2 may not exceed 12W for all 65X units.
2. The remote lamp connection (REMOTE) may not exceed the output rated maximum minus the output on L1 & L2.
3. Do not short the lamp leads to ground.

Failure to properly follow operating instructions may result in damage to the unit and void the warranty.

### NORMAL POWER UP SEQUENCE



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