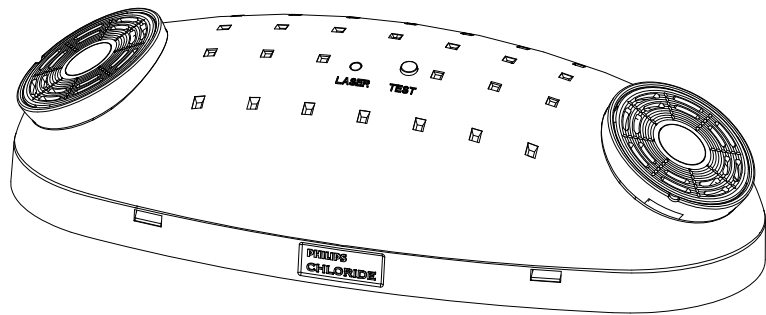


INSTALLATION INSTRUCTIONS FOR CLU2 LED EMERGENCY LIGHT



IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- Maximum mounting height is 10 feet. For installations greater than 10 feet, consult factory to ensure that adequate illumination will be available on the path of egress.
- All servicing should be performed by qualified personnel only.
- Do not use this equipment outdoors.
- 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 let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- CAUTION: To avoid electrical overload, total connected lamp load (factory and field installed) should not exceed output rating.
- Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS

Shut off AC power to branch circuits to which units will be connected. All wiring should be per National Electrical Code and local regulations.

GENERAL INSTRUCTIONS

MAINTENANCE

None required. Replace the batteries as needed. However, we recommend that the equipment be tested regularly in accordance with local codes.

OPERATION

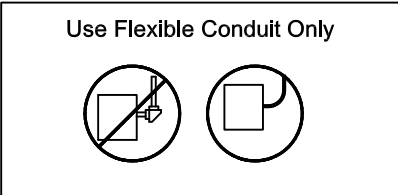
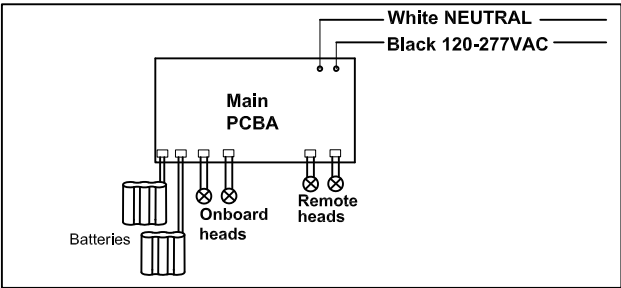
Press and release the test button. The LED heads will turn on and the LED indicator will flash. After 30 seconds, the LED heads will turn off and the LED indicator will stay on.

TROUBLE SHOOTING GUIDE

If LED heads or LED indicator does not illuminate, check the following:

1. Check AC supply. Ensure that AC branch circuit is energized.
2. Battery is shorted or battery is not connected.
3. Battery is discharged. Permit unit to charge for 24 hours then re-test.
4. If above trouble shooting hints do not solve any problem, contact factory for assistance.

Wiring Diagram



Mounting Instructions

Wall Mount (Conduit Power Feed) (see Fig 2)

1. Insert a flat blade screwdriver into the two slots and pry the front cover from the back plate(see Fig 1).
2. Remove top knockout on the top flange of back plate and the horseshoe shaped knockout from the top of the housing.
3. Secure conduit (or surface raceway) to knockout and feed AC supply wires.
4. Remove appropriate keyhole knockouts on back plate and mount to wall.
5. Refer to steps 4 - 8 in Wall Mount and Ceiling Mount - Back Power Feed.

Wall Mount and Ceiling Mount - Back Power Feed (see Fig 3 or 4)

1. Insert a flat blade screwdriver into the two slots and pry to remove front cover from back plate (see Fig 1).
2. Remove center knockout and appropriate keyhole knockouts in back plate and mount back plate to J-box.
3. Feed AC supply wires thru center hole in back plate.
4. Connect the unit wires to the AC supply wires using the wire nuts provided. Connect the white wire to neutral. Connect the black wire to the 120V- 277V. Press the wires into the J-box (Refer to Wiring diagram below).
5. Plug battery male connector into female connector on the PCBA (see Fig 5).
6. Connect the remote lamp head wires if this unit was supplied with remote capacity. Refer to page 4 for remote lamp head connection instructions.
7. Snap the front cover onto the back plate.
8. Restore power. Press and release the test button. The LED heads will turn on.
9. Adjust the lamp heads as required (see Fig 6).

Connecting Remote head (option) (see Fig 5)

Connect extended remote head wires to remote wires using wire nuts. yellow is positive(+), purple is negative(-).

Model No.	Remote Head
CLU2N2R	CLR1*2pcs or CLR2*1pc

Open fixture

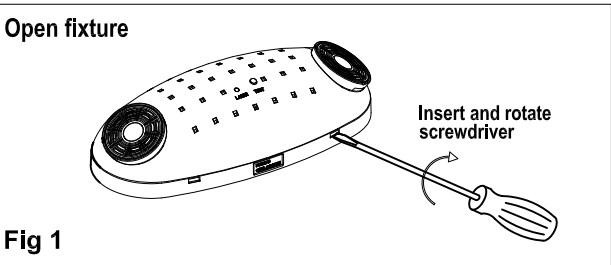


Fig 1

Conduit Power Feed

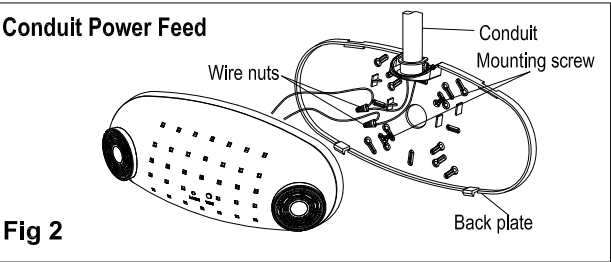


Fig 2

Wall mount-Back Power Feed

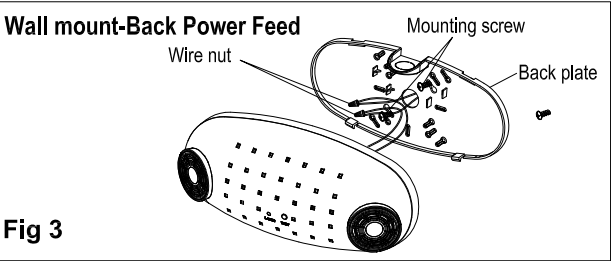


Fig 3

Ceiling mount-Top Power Feed

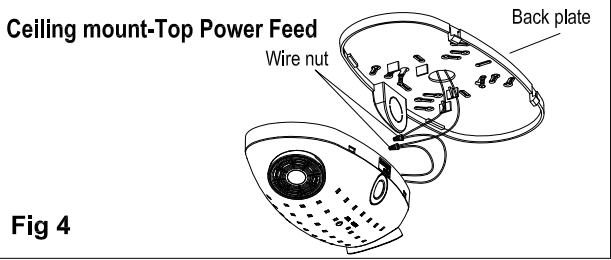


Fig 4

Battery connector

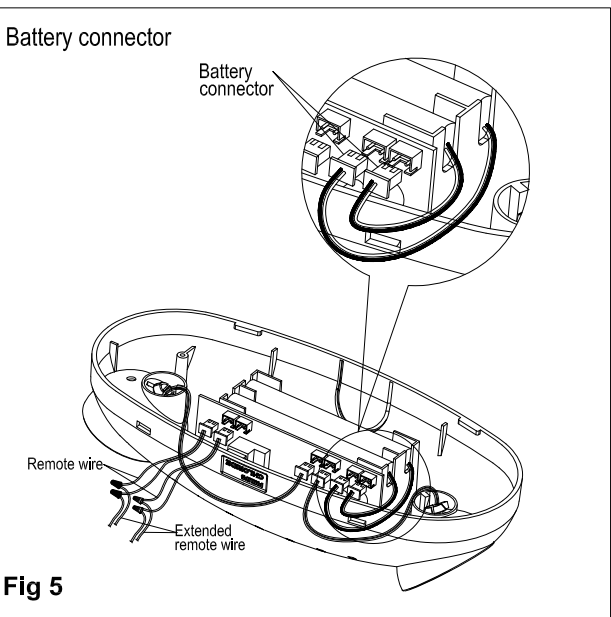


Fig 5

Lamp head adjust

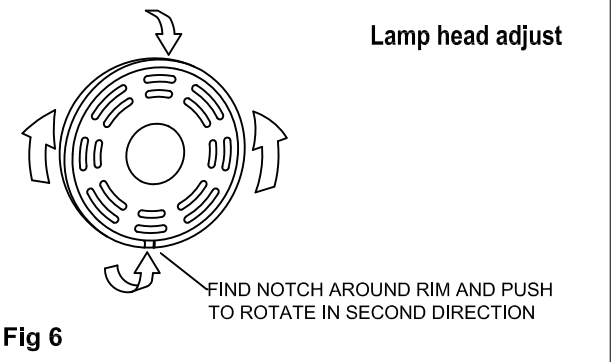


Fig 6

CLU2 LED EMERGENCY LIGHT

INSTALLATION INSTRUCTION

SELF-DIAGNOSTICS/SELF-TESTING OPTION

SAVE THESE INSTRUCTIONS

When AC power is supplied to fixture,the unit will automatically initiate a self-test and self-diagnostic test as follows:

1.Self-testing

- (1) One-minute self-testing every month
- (2) 30 minutes self-testing every six months

2.Self-diagnostics, dual color LED lamp indicator shows the following status

- (1) Green color: ON: Normal
Blinking: Testing
- (2) Red color(Service Alert)
- (3)Service Alert LED Code (Red color LED lamp indicator)

●	One blink ON/pause	(4 seconds)	Battery is not connected
●●	Two blink ON/pause	(4 seconds)	Battery is shorted or battery voltage has dropped below acceptable level
●●●	Three blink ON/pause	(4 seconds)	Charger board circuit fault
●●●●	Four blink ON/pause	(4 seconds)	transfer fault(transfer circuit fault)
●●●●●	Five blink ON/pause	(4 seconds)	Emergency lamp fault
●●●●●●	Six blink ON/pause	(4 seconds)	Remote head's emergency lamp fault(if installed)

CAUTION:
After resolving any fault, press and hold the test switch for 2 seconds. The LED indicator will either be continuously glowing or blinking green indicating that the equipment is in charging mode.

3.For manual test, press test button as follows:

Press test button once	(within 2 seconds)	30 second test
Press test button Twice	(within 2 seconds)	3 minutes test
Press test button 3 times	(within 2 seconds)	30 minutes test
Press test button 4 times	(within 2 seconds)	90 minutes test

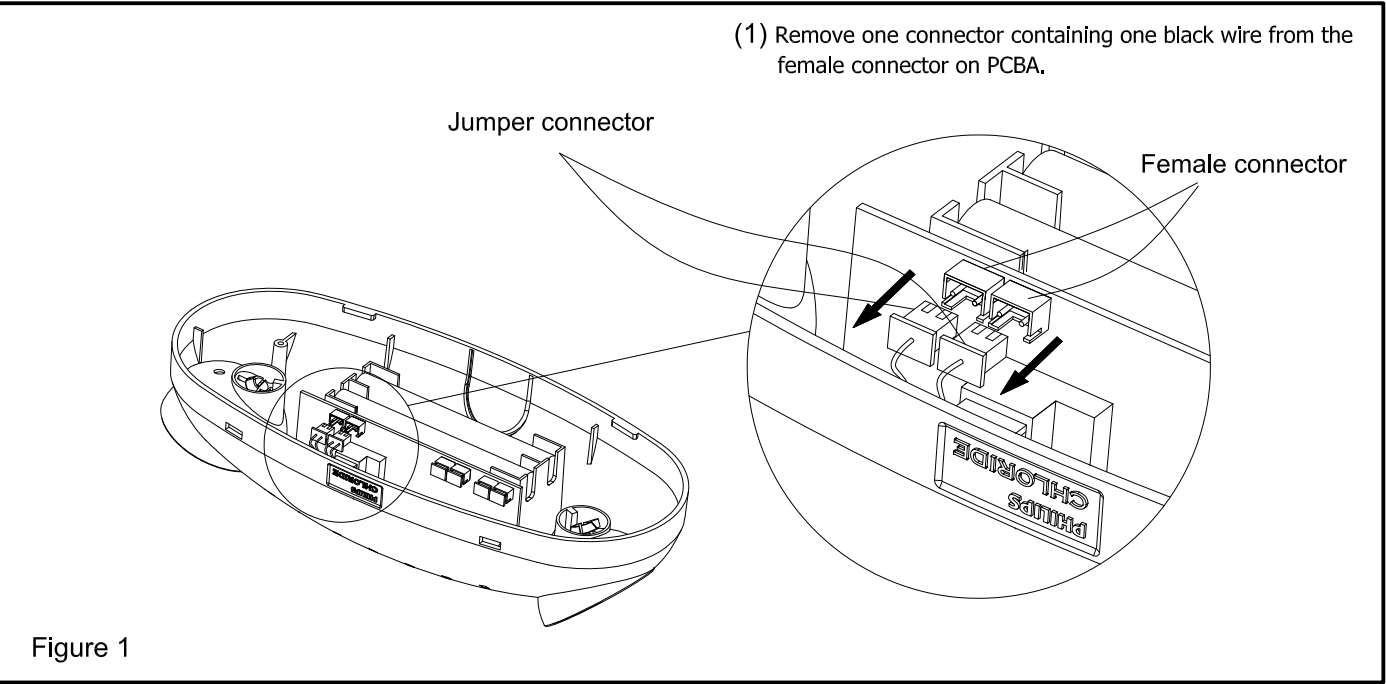
4.Laser test facility(when applicable)

Unit will run a 30 second discharge test when activated by laser transmitter.

5.TD function(when applicable)

Unit will remain in discharge mode for 15 minutes after AC power is restored.

7.Installation instruction for remote lamp heads:



- (2) Plug the male connector of the yellow/purple remote harness supplied into the empty female connector from step 1.
- (3) Connect extended remote head wires to the remote wires using wire nuts provided. Yellow is positive(+) and the purple is negative(-).

