INSTALLATION INSTRUCTIONS FOR EXIT SIGN (AND EMERGENCY LIGHT COMBINATION)

Package Contents

Part	Description	
1	EXIT Sign	1set
2	Emergency Lighting	1set
3	Hardware Kit	1set
4	Extra EXIT Panel	1set

EXIT SIGN Series not provided this unit

Use flat screw driver to open the EXIT (front) panel

Exit Sign
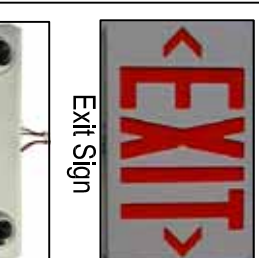
Emergency Lighting
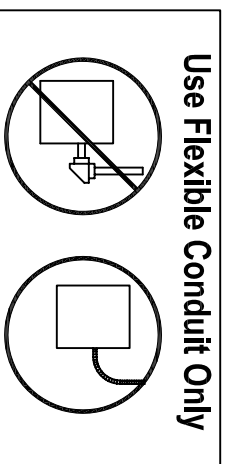
Exit/Emergency Light Combination

IMPORTANT SAFEGUARDS
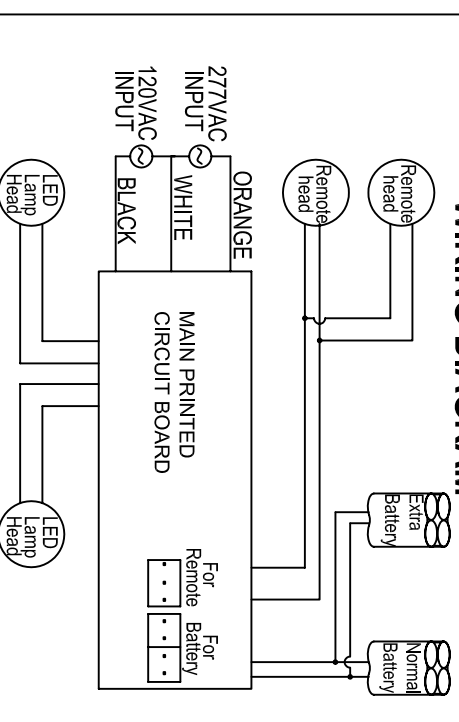
READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

1. Review the diagrams thoroughly before beginning. If you feel you do not have electrical wiring experience, refer to a do-it yourself wiring handbook or have your fixture installed by a qualified licensed electrician.
2. All electrical connections must be in accordance with local codes, ordinances, and the National Electric Code.If you are unfamiliar with methods of installing electrical wiring, secure the service of a qualified licensed electrician.
3. Before starting the installation, disconnect the power by turning off the circuit breaker or by removing the appropriate fuse at the fuse box. Turning the power off using the light switch is not sufficient to prevent electrical shock.
4. Do not use outdoors.
5. Do not mount near gas or electric heaters.
6. Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or eyes, flush acid with fresh water and contact a physician immediately.
7. Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
8. The use of accessory equipment not recommend by the manufacturer may cause an unsafe condition.
9. Do not use this equipment for other than intended use.
10. All servicing should be performed by a qualified personnel only.
11. Allow battery to charge for 24 hours before first use, extra remote capability item two battery need charge 48 hours.

SAVE THESE INSTRUCTIONS

WARNING: MAKE SURE THAT POWER IS OFF BEFORE MAKING ANY ELECTRICAL CONNECTIONS.

Use Flexible Conduit Only

WIRING DIAGRAM

277VAC INPUT — ORANGE
120VAC INPUT — WHITE
BLACK

Remote head
Remote head
LED Lamp Head
Remote head
LED Lamp Head

MAIN PRINTED CIRCUIT BOARD

For Remote Battery
For Battery

Extra Battery
Normal Battery

NOTICE: ASSEMBLE THE LED EMERGENCY LIGHT ONTO THE EXIT HOUSING BEFORE INSTALLATION.

CONNECT

ASSEMBLE

FINISHED

CANOPY MOUNTING(Ceiling or End mount)

Ceiling mount

J-Box (not provided)

End mount

Crossbar — M4*40 screws — #8-32 screws Chevron Nuts

1. Attach crossbar to junction box, use #8-32 screws.
2. Remove front panel, remove out the mounting hole cover on the top or side of the unit,assemble the canopy.
3. Route the proper wires through mounting hole out of housing .
4. Make electrical connections inside the J-Box as wiring diagram.
5. Push excess wire into J-Box, use M4*40 screws tighten canopy to crossbar so that canopy is securely fastened and tight against wall.
6. Snap chevron to EXIT panel if required.
7. Attach battery connector to PC board, adjust position of emergency light heads as need.

Wall MOUNTING

#8-32 screws

1. Remove the front EXIT panel, knock out center and appropriate mounting screw holes from knockout on the back plate.
2. Route the proper wires through center hole out of housing .
3. Make electrical connections inside the J-Box, use #8-32 screws tighten unit to J-Box.
4. Push excess wire into J-Box.
5. Snap chevron to EXIT panel if required.
6. Attach battery connector to PC board, replace front panel on unit, adjust position of emergency light heads as need.

Insert canopy into housing at 20 degree angle and twist. Quick snap is now locked firmly.
CAUTION: Trying to remove canopy after it is locked in place may cause damage.

ADJUST POSITION OF EMERGENCY LIGHT HEADS

1. Remove the front EXIT panel, knock out center and appropriate mounting screw holes from knockout on the back plate.
2. Route the proper wires through center hole out of housing.
3. Make electrical connections inside the J-Box as wiring diagram.
4. Push excess wire into J-Box, use #8-32 screws tighten unit to J-Box.
5. Snap chevron to EXIT panel if required.
6. Attach battery connector to PC board, replace front panel on unit, adjust position of emergency light heads as need.
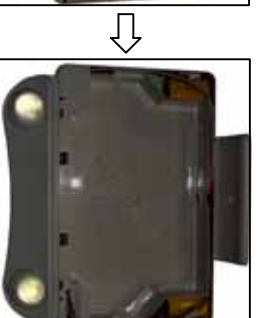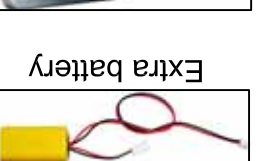
Horizontal adjust — Vertical adjust

Adjust the LED lamphead to get the light output direction as need.

EXTRA REMOTE CAPABILITY OPTION

Remote heads

Extra battery

Wiring for remote capability

NOTE:Exit sign series not need extra battery.

Trim wires

INSTALLATION INSTRUCTION FOR CYBER-TEST OPTION
(SELF-DIAGNOSTICS/SELF-TESTING OPTION)

1. Install the Exit Sign & Emergency Lighting Combo according to installation instruction sheet.

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

(1) Verifies battery disconnection, charger board failure, lamps failure and transformer failure at every 5 seconds.

(2) One-minute self-testing every month.

(3) 30 minutes self-testing on the 6th month of the year after installation.

(4) 90 minutes self-testing on the 12th month of the year after installation.

(5) Factory pre-set all functions- Do not need field adjustment.

3. Dual color LED lamp indicator shows the following status:

(1) Green color — ON/ Ready
— 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 blinks ON/pause (4 seconds)	Battery is shorted or battery voltage drops below than acceptable value
●●●	Three blinks ON/pause (4 seconds)	Charger board circuit fault
●●●●	Four blinks ON/pause (4 seconds)	Transfer function failure
●●●●●	Five blinks ON/pause (4 seconds)	Emergency lamp fault
●●●●●●	Six blinks ON/pause (4 seconds)	Remote head's emergency lamp fault(if fixture has remote capability)
●●●●●●●	Seven blinks ON/pause (4 seconds)	Exit LED strip fault (for Exit Signs only)

CAUTION:
After solving the fault of emergency equipment, please press test button for 2 seconds without release then LED lamp will show green color.

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

Press test button once (within 2 seconds)	1 minute test
Press test button twice (within 2 seconds)	5 minutes test
Press test button 3 times (within 2 seconds)	30 minutes test
Press test button 4 times (within 2 seconds)	90 minutes test

5. Fire Alarm function:

Exit Sign & Emergency Lighting Combo unit only connects the extra wires labeled fire alarm only to fire alarm (DC 6V-24V only).Exit sign will be blinking when received signal from fire alarm.

6. Remote Capability for Cyber-Test Option

In order to connect remote lamp heads with self-diagnostics/self-testing option, please refer to the instruction on next page.

7. Installation instruction for remote light heads.

(1) If Exit Sign & Emergency Lighting Combo unit has Cyber-Test Option, please follow the following installation instruction.

(2) If unit has only Cyber-Test option, main PCB has two female   connectors (call CT option in below) (See Fig.1) and if unit ha s Cyber-Test option and Infrared Test option, main PCB has only one female connector (call IR2-CT option in below) (See Fig.2).

The female connector is connected with male connector (having one purple color wire) for grounding.

Male & Female
connectors

Battery

CT Option   Main PCB   Fig.1

Male & Female
connectors

Battery

IR2-CT Option   Main PCB   Fig.2
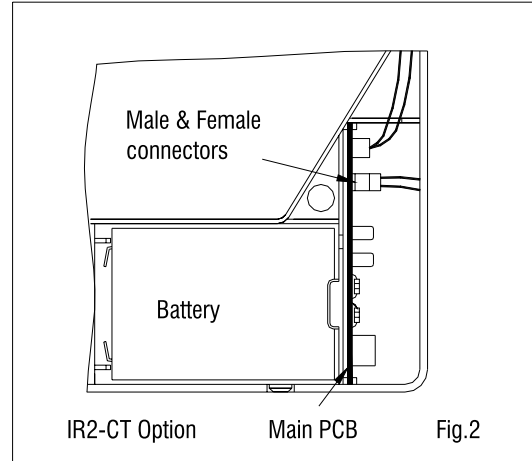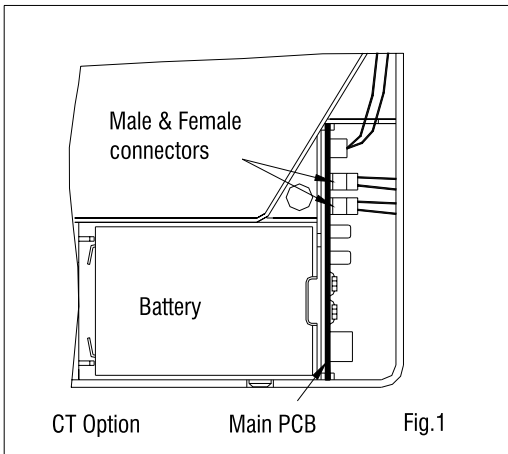
(3) If unit has CT option, one or two remote light heads (6V 12W Max.) can be connected to main PCB.

If unit has IR2-CT option, one remote light head (6V 12W Max.) can be connected to main PCB.

(4) If one remote light head is connected to the unit on CT-option, please take out one male connector and **DO NOT** touch another male connector and keep it assembled as it is. (See Fig.3)

Connect male connector on Extra wire (Yellow & Purple wires) for remote capability (supplied) to the female connector. See Fig.4)

Take out only one
male connector

Battery

Main PCB   Fig.3

Yellow
Purple

Insert

Battery

Main PCB   Fig.4
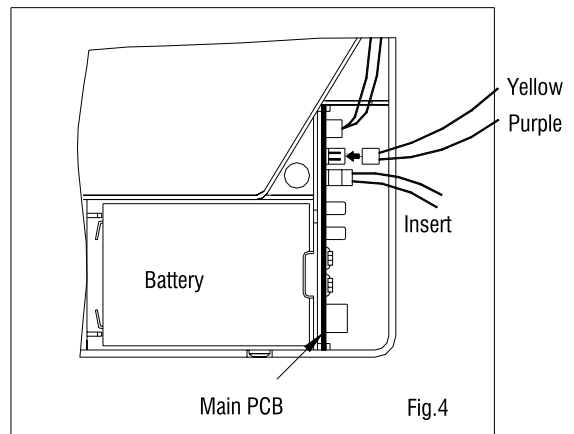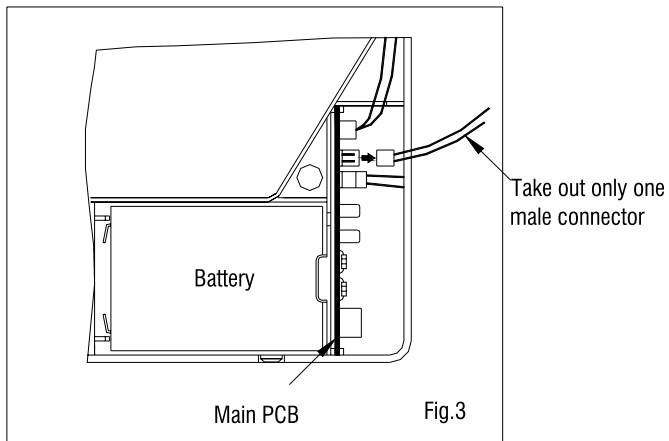
(5) If two remote heads are connected to the unit on CT option, please take out two male connectors and connect male connecto r on extra wire (Yellow & Purple wires) for remote capability (supplied) to the female connector.

(6) If one remote head is connected to the unit on IR2-CT option, please take out male connector and connect male connector on extra wire (Yellow & purple wires) for remote capability (supplied) to the female connector.

(7) Make the proper lead connection(s) with remote head wires at junction box using extra lead wires in the unit.