

Installation Instruction

"Running Man" LED emergency combo sign

Applicable models:
TL-RMES303

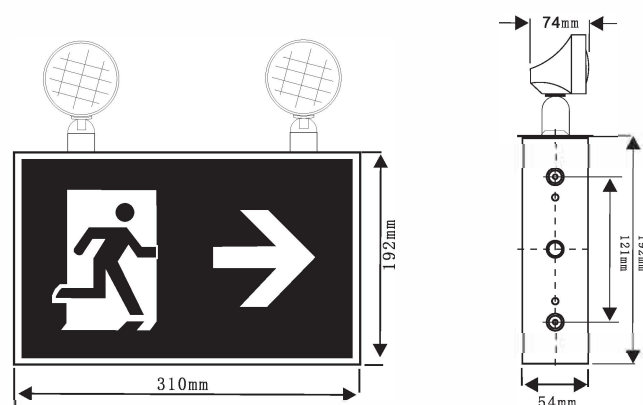
1.DESCRPTION

This emergency light is constructed with steel housing and lightweight thermal plastic head in matching color. It is presented a simple and modern design with high efficiency LED remote heads. Universal mounting pattern and keyhole slots are stamped on the back and conduit knockouts on the sides of each unit.

2.CIRCUITRY

Input voltage	Electrical Warameters	
AC120V 50-60Hz	Input Wattage: 3W	Emergency duration: $\geq$ 2 Hours Recharge time: 24 Hours Output Wattage: 2*2W+1W Light Source: Ultra bright LED Color temperature: 6000K-6500K Ni-cad Battery: :3. 6V 1800mAh SC Product Size:310*275*74/mm
	Input Current: 0. 1A	
	Efficiency: 0. 98P	
AC277V 50-60Hz	Input Wattage: 4W	
	Input Current: 0. 13A	
	Efficiency: 0. 93P	
AC347V 50-60Hz	Input Wattage: 5W	
	Input Current: 0. 16A	
	Efficiency: 0. 92P	

3.PRODUCT SIZE



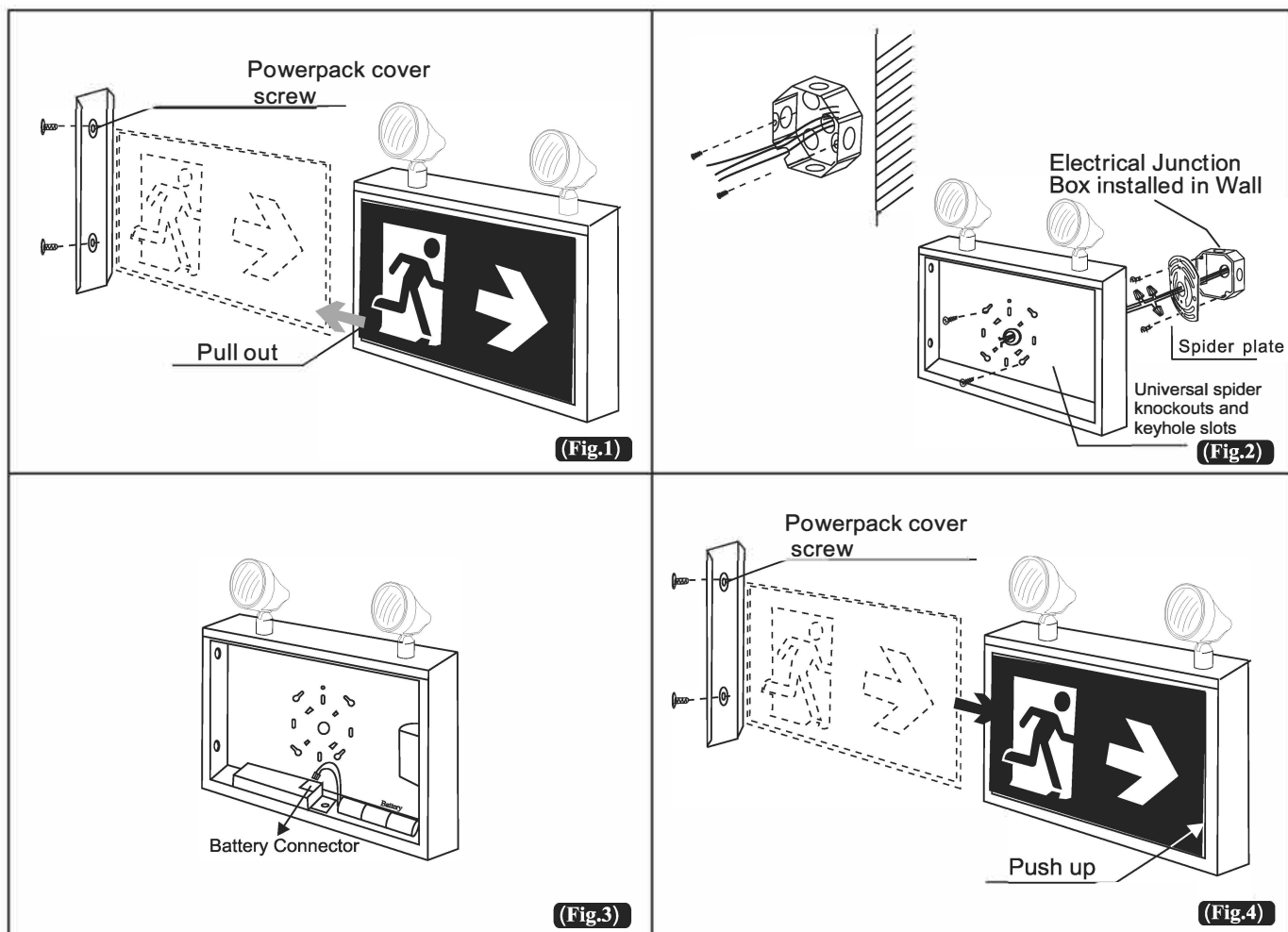
4.ATTENTION

- 4.1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- 4.2. For Indoor use ONLY.
- 4.3. Do not let power cords touch hot surfaces.
- 4.4. Do not install near gas or electric heaters.
- 4.5. 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.
- 4.6. Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
- 4.7. The use of accessory equipment not recommended by manufacturer, may cause an unsafe condition, and will void the unit's warranty.
- 4.8. Do not use this equipment for other than its intended purpose.
- 4.9. Servicing of this equipment should be performed by qualified service personnel.
- 4.10. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

5.INSTALLATION INSTRUCTIONS

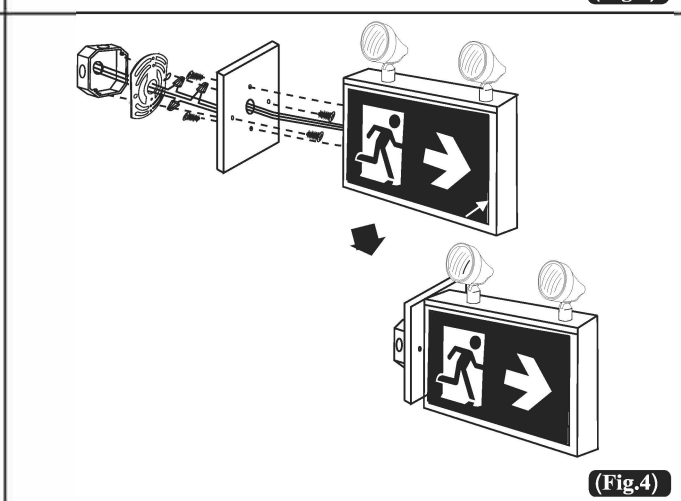
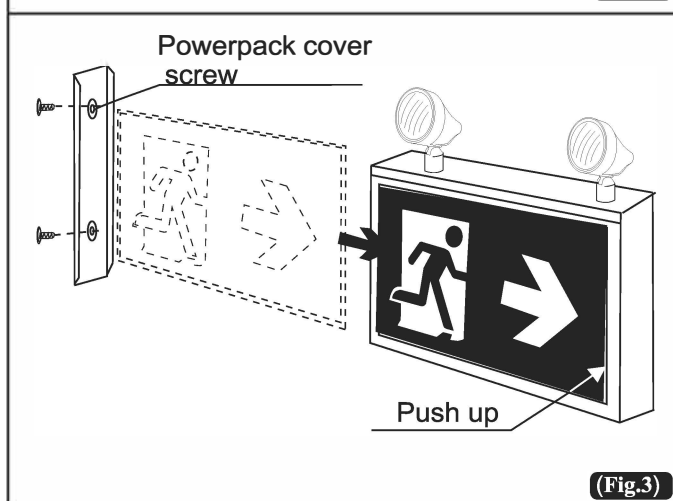
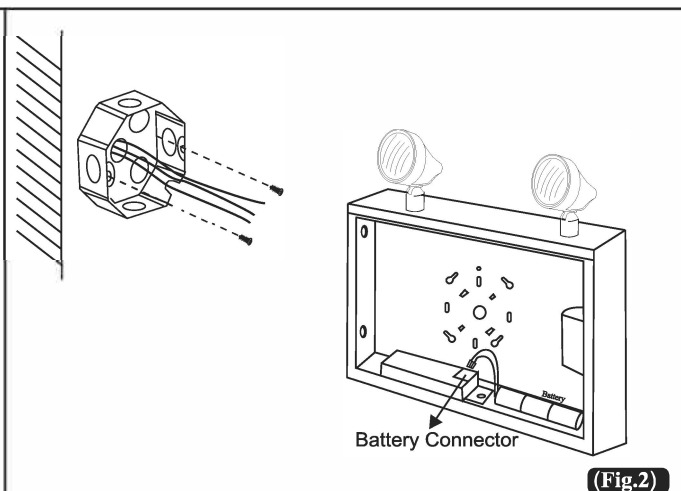
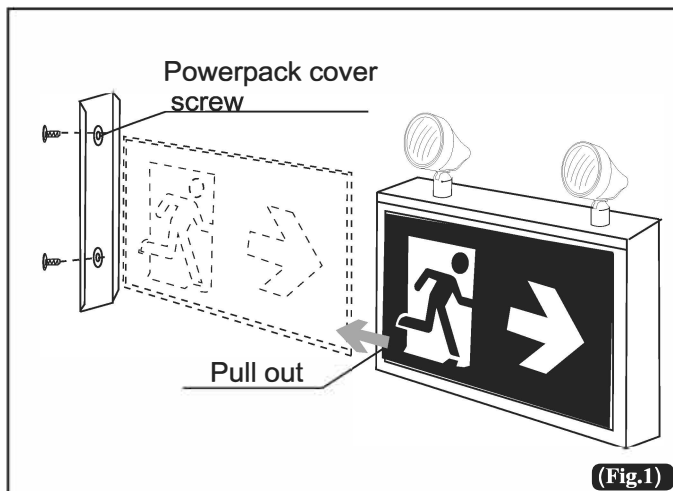
Wall mount

1. Feed AC supply wires into the junction box leaving 8 inches of wire.
2. Remove the 2 end cap screws (see figure 1).
3. Slide out the pictogram panel(s) (see figure 1.)
4. Remove and discard the canopy kit.
5. Identify the proper hole pattern in the back plate to mount to a standard junction box. Place a support on either side of the knockouts to be removed and then knock out with a screwdriver (see figure 2).
6. Insert a plastic bushing into the hole to protect wires from metal edge (see figure 2).
7. Route wires out the center hole (through the bushing) of the black plate.
8. The system can accept input voltages of 120 or 347 VAC. Connect the black wire to the(120 VAC or 347 VAC) and the white wire(common) leads to the building utility. Connect the green ground.
9. Feed excess wires into the junction box.
10. Mount the unit securely to the junction box using the junction box screws.
11. Self-powered model only: Connect battery connector to the PCBA marked (BAT) on the PCBA (see figure 3).
12. Choose the appropriate pictogram panel(s) and remove the protective film.
13. Slide the pictogram panels into the housing and screw in the end cap (see figure 4).



End mount

1. Feed AC supply wires into the Junction box leaving 8 inches of wire (see figure 1).
2. Remove the 2 end cap screws (see figure 2).
3. Slide out the pictogram panel(s) (see figure 2).
4. Fasten the cross bar to the junction box using the junction box screws (see figure 3).
5. Use a hammer and screwdriver to remove the proper knockouts in the frame for the canopy. The knockouts are located on the left side (see figure 4).
6. Insert a plastic bushing into the hole to protect wires from metal edge.
7. Self-powered model only: Connect battery connector to the PCBA marked (BAT) on the PCBA (see figure 2).
8. Choose the appropriate pictogram panel (s) and remove the protective film.
9. Slide the pictogram panel(s) into the housing and screw in the end cap (see figure 3).
Warning: Ensure the proper pictogram panel(s) are install and the arrow is in the right direction before replacing the end cap.
10. Route unit wires out through the hole of the frame canopy assembly (see figure 4).
11. Fasten the canopy to the frame using 2 screws provided (see figure 4).
12. The system can accept input voltages of 120 or 347 VAC. Connect the black wire to the(120 VAC or 347 VAC) and the white wire(common) leads to the building utility. Connect the green ground.
13. Feed excess wire into the junction box.
14. Install the frame canopy assembly to the 2 threaded holes in the cross bar using the screws provided (see figure 4).
15. Turn on AC supply.



Operation

Self-powered (battery)

1. To test, depress the TEST button. The AC indicator will go out and the LEDs will switch to battery power.
2. Release the TEST button. The LEDs will switch back to AC power and the AC indicator will come on.

Maintenance

1. Equipment must be tested regularly in accordance with local codes.
2. Replace the batteries as needed according to ambient conditions.
3. Clean the front cover on a regular basis to provide maximum light distribution.

Troubleshooting

THE SIGN DOES NOT LIGHT

1. Check the AC power supply.
2. Check AC connector. The transformer/capacitor input power assembly is connected to the LED circuit board with a plastic connector. Ensure that this connector is firmly plugged into the LED circuit board. The connector will only lock into place when inserted with the correct orientation.
3. Check AC connections to transformer/capacitor assembly. Ensure that input voltage wiring matches the markings on the transformer/capacitor assembly wires being used.
4. AC supply and connections are OK and LEDs fail to light; replace LED board assembly.

THE SIGN IS DIM WHEN THE AC POWER IS ON.

5. Check supply voltage and AC connections. The AC supply must be at least 80% of nominal (96 V on a 120 V line) for equipment to function normally. At lower voltages, the LEDs may begin to glow dimly until the source voltage drops below the full battery turn-on point.
6. Check AC connections to transformer/capacitor assembly. Ensure that a 120 V supply line has not been connected to the 347 V transformer/capacitor lead wire.

THE SIGN COMES ON WHEN THE BATTERY IS FIRST CONNECTED (NO AC).

7. This is normal when the battery has enough charge to power the LEDs. The sign will remain lit until the battery is discharged.

THE SIGN IS DIM WHEN THE TEST BUTTON IS PRESSED

8. Battery has discharged. Allow 24 hours for recharge and then retest.
9. If LEDs are still dim upon retest, replace battery.