ETLIN-DANIELS

INSTALLATION INSTRUCTIONS FOR EX400



SAVE THESE INSTRUCTIONS - READ ALL INSTRUCTIONS CAREFULLY

c UL us LISTED

CAN ICES-005 (B) NMB-005 (B)

IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS
WARNING: RISK OF ELECTRIC SHOCK.

- All service shall be performed by qualified service personnel. This product must be installed and maintained in accordance with the applicable installation codes by a person familiar with the construction operation of the product and the hazards involved.
- This product must be installed in accordance with the applicable installation codes and ordinances.
- Before wiring to power supply, turn off electricity at fuse or circuit breaker.
- Disconnect AC power and unplug battery before servicing.
- Consult your local building code for approved wiring and installation.
- UL listed for wet locations (-20°C-40°C).
- Do not let power cords touch hot surfaces.
- Do not mount near gas or electric heater.
- 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 use this equipment for other than intended use.
- The AC voltage rating of this equipment is specified on the product label. Do not connect equipment to any other voltage.

OPERATION (BATTERY BACK-UP)

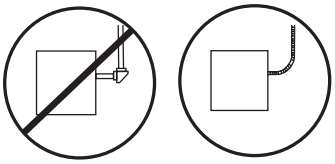
1. Apply AC power to the unit, The LED indicator will be RED.
2. After the battery has been charged for 24 hours,test the unit by pushing the switch. The LED indicator turns OFF and the LED board stays ON.
3. When the switch is released,the LED indicator runs back to RED and the LED board stays ON.

CONDUIT ENTRY

1. Drill a 3/4" hole through the desired conduit entry knock out located on the top or side of the frame of the sign.
2. Route the AC input into housing.
3. All conduit connections must use UL listed and suitable for wet location parts.
4. To finish installation of EXIT sign.reference Wall, Ceiling or End Mount instructions.

MAINTENANCE

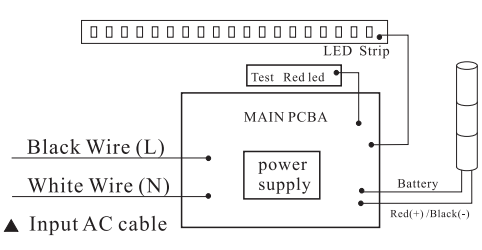
Caution: Always turn off AC power to the equipment before servicing, Servicing should be performed only by qualified service technician. Use only MANUFACTURER supplied replacement parts.
Battery: The battery supplied with EM model requires no maintenance. However,it should be tested periodically and replaced when it no longer operates the connected sign for the duration fo a 30-second or 90-minute test. The battery supplied in this sign has a life expectancy of 4 years when used in a normal ambient temperature of 72 'F.

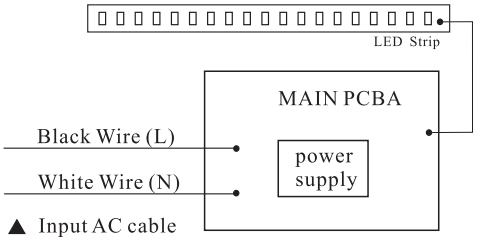


FLEXIBLE CONDUIT ONLY

WIRING DIAGRAM

AC Wiring
Working voltage:
AC120V-347V 50Hz/60Hz
Black Wire (L)
White Wire (N)





Electrical Parameters	
Working Voltage : 120V-347V, 50Hz / 60Hz	Battery : MH45063
Input Current : 0.065A	Recharge Time : 24 Hours
Input Wattage : 4.5W (Max)	Emergency duration: ≥ 120 minutes

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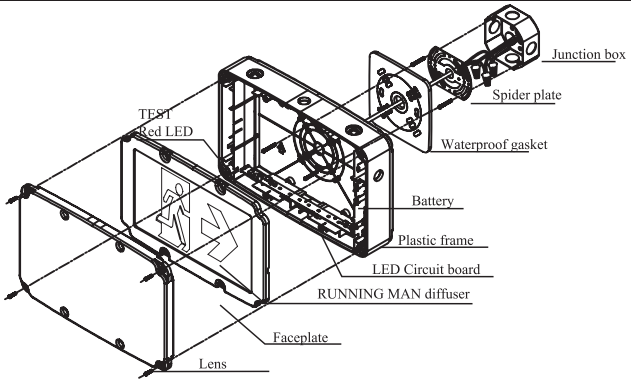
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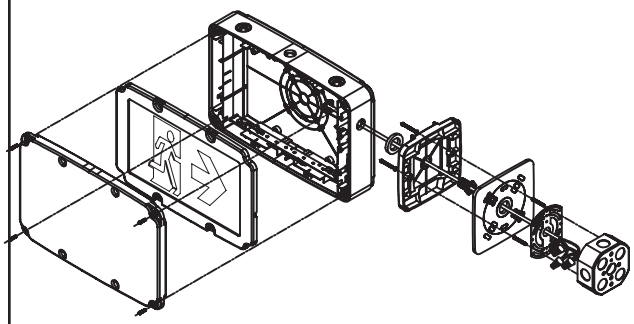
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WALL MOUNT



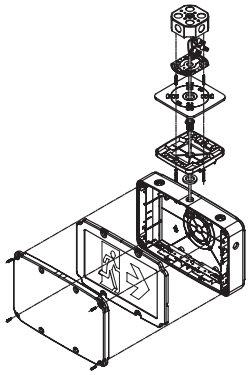
1. Use flat head screwdriver to loosen the screws on the lens.
2. Remove lens, from sign, set aside.
3. Remove EXIT stencil from housing, set aside.
4. Drill or knock out approprate knockouts on back plate to fit junction box mounting points.
5. Drill or knock out center hole in back plate for EXIT supply wire leads.
6. Put the junction box gasket to the back plate.
7. Route EXIT input wires through center hole of the back plate, use black and white wires.
8. Secure back plate to junction box (hardware not included).

SIDE MOUNT



9. Remove proper pictogram(s)as required. When removing pictograms it may be helpful to remove the color diffuser panel to allow easier access to the pictograms. If removing color diffuser panel it is important to remember to reinstall the diffuse panel once pictogram(s)have been removed.
10. Connect battery to lamp board(battery back up models only).
11. Secure face plates to the housing.
12. Secure lens to face plate and securely torque screws.
13. Apply continuous AC power and press TEST button to check operation.

CEILING MOUNT



1. Use flat head screwdriver to loosen the screws on the lens.
2. Remove lens, from sign, set aside.
3. Remove EXIT stencil from housing, set aside.
4. Drill a 3/4" hole through the desired mounting knock out located on the frame of the sign, For ceiling mount, knock out will be located on the top of the housing. For wall mount, knock out will be located on the side of the housing.
5. Using provided hardware, thread nut onto pipe nipple. Slide pipe nipple through canopy center hole.
6. Put junction box gasket to the back of mounting canopy and put pipe thread gasket to the front of mounting canopy.
7. Place screws (provided) in holes on the canopy.
8. Route EXIT input wires through knockout in RM frame, pipe nut and metal mounting plate.
9. Use black and white wires (use red and white wires.)

WARNING: Properly insulate the unused lead with a wire nut (provided) or other approved means.

10. Push wire connections into the J-Box. Secure mounting plate to junction box (hardware not included).
11. Secure the canopy to the steel mounting plate with screws installed in step 7.
12. Place pipe nipple through the mounting hole of the housing until the gasket is touching the housing frame, Thread a second nut onto the pipe nipple on the inside of the housing to lock the canopy into place. Once canopy is locked into position there will not be any side-to-side movement of the canopy.
13. Remove proper pictograms as required. When removing pictograms it may be helpful to remove the color diffuser panel allow easier access to the pictograms. If removing color diffuser panel it is important to remember to reinstall the diffus panel once pictogram(s) have been removed.
14. Connect battery to lamp board (battery back up models only).
15. Secure face plates to the housing.
16. Secure lens to face plate and securely torque screw.
17. Apply continuous AC power and press " TEST button to check operation.

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