INTEGRITY LED

LED DOUBLE SIDE EXIT SIGN

ESD series



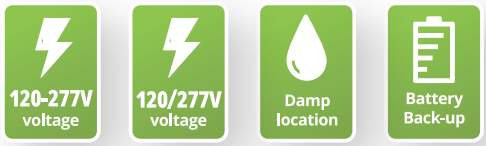
DESIGN - THE LED DOUBLE SIDE EXIT SIGN features a functional design with a rectangular ABS housing that is fire-resistant and corrosion-proof. The design with integrated directional arrows on both sides for flexible installation. Bold "EXIT" lettering ensures high visibility and complies with standard USA signage dimensions. Includes field-installable directional arrows that can be easily configured for left, right, or both directions to suit various exit routing needs.

VARIETY - This series includes a red-letter model as well as a version with selectable red or green lettering for added flexibility.

CAPABILITIES - The exit sign includes a built-in rechargeable 1.2V Ni-Cd battery that provides at least 90 minutes of illumination during power outages. Model compliant with UL 924 Emergency Lighting and Exit Sign standards, ensuring reliability and safety in critical situations.

INSTALLATION & APPLICATION - This exit sign supports wall and ceiling mounting, is compatible with standard junction boxes, and is designed for quick installation in damp indoor locations. Ideal for commercial and residential spaces such as offices, schools, hospitals, churches, supermarkets, apartment buildings, parking garages, industrial facilities, and other high-traffic egress areas.

ADVANTAGES - With a lifespan of 50,000 hours, these fixtures are made to last decades under normal operation! Integrity LED provides a 5-year limited warranty along with UL certifications to guarantee top quality products and safety!



MOUNTING OPTIONS



CEILING INSTALLATION



SIDE-WALL INSTALLATION



WALL INSTALLATION

PRODUCT PRESENTATION

MODEL	LETTERS COLOR	BATTERY INFORMATION	VOLTAGE	FINISH	DIMENSIONS	CERTIFICATION
IL-ESD-RGW	Red/Green	1.2V 700mAh Ni-CD	120-277V	White	11-5/8" x 7-1/4" x 1-5/8"	UL(E495654)
IL-ESD-RW	Red	1.2V 700mAh Ni-CD	120/277V	White	11-5/8" x 7-3/16" x 1-9/16"	UL(E495654)

TECHNICAL PARAMETERS

MODEL	MAX INPUT CURRENT	WORK ENVIRONMENT	OPERATING TEMPERATURE	POWER FACTOR	HOUSING
IL-ESD-RGW	0.02A	Damp location	32°F to 104°F(0°C to 40°C)	>0.5	Plastic
IL-ESD-RW	0.10A	Damp location	32°F to 104°F(0°C to 40°C)	>0.8	Plastic

For the most up-to-date spec sheets, visit integrityled.info

INTEGRITY LED
Commercial LED Lighting

Web: integrityled.info
Phone: (830) 538-0991

UL CERTIFIED · 5 YEAR WARRANTY

ORDERING INFORMATION

MODEL	PRODUCT DIMENSIONS	WEIGHT	PCS. PER CARTON	CARTON SIZE	CARTON WEIGHT	UPC	GTIN 14
IL-ESD-RGW	11-5/8" x 7-1/4" x 1-5/8"	2.0 lbs(0.9kg)	6	14.57" x 12.40" x 8.27"	14.3 lbs	81019020526	10810190205263
IL-ESD-RW	11-5/8" x 7-3/16" x 1-9/16"	1.9 lbs(0.9kg)	6	14.57" x 12.40" x 8.27"	13.6 lbs	81019020108	10810190201081

BUILT-IN BATTERY BACK-UP INFORMATION

MAINTENANCE

NOTE: National Electrical Code (NEC) and NFPA life safety code regulations require that routine tests be performed.

TESTING OPERATION

With AC power applied to the unit, the EXIT sign and AC power LED indicator should illuminate. When the TEST button is pressed, the LED indicator should turn off; the EXIT sign will remain illuminated.

BATTERY REPLACEMENT

IL-ESD-RW, IL-ESD-RGW use a Ni-Cd Rechargeable AA700 mAh 1.2 V battery.

To remove the battery:

1. Bend the battery catches away from the battery and remove the battery from the housing.
2. Disconnect the battery leads from the board terminal.
3. Connect the new battery to the board terminal.
4. Place the new battery in the battery location and ensure it is seated behind the battery catches.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
The LED charge indicator does not illuminate	AC power supply is off	Ensure the unit has AC power supply. Restore the power at the breaker/fuse box
	The unit is incorrectly wired	Ensure the unit is wired correctly.
	The battery isn't connected	Ensure the battery is connected.
The LED emergency heads do not illuminate	The battery is discharged	Verify the unit is properly wired and connected to an AC power source. Allow the unit to charge for 24 hours and then re-test.
	The battery isn't connected	Ensure the battery is connected.

TESTING THE BATTERY

Test the unit's battery once per month. Additionally, every 12 months, a full 90-minute test should be performed. While disconnected from the main power supply, the unit should illuminate for a minimum of 90 minutes on battery back up power.



INSTALLATION GUIDE

Please read all the instructions below before installation!

IMPORTANT SAFETY INFORMATION

- Make sure that the supply voltage corresponds to the rated product voltage.
- The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- If the product is damaged, do not use it.

⚠ WARNING

Risk of personal injury: read and follow all warnings and installation instructions. Keep or give to the owner for future reference.

Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

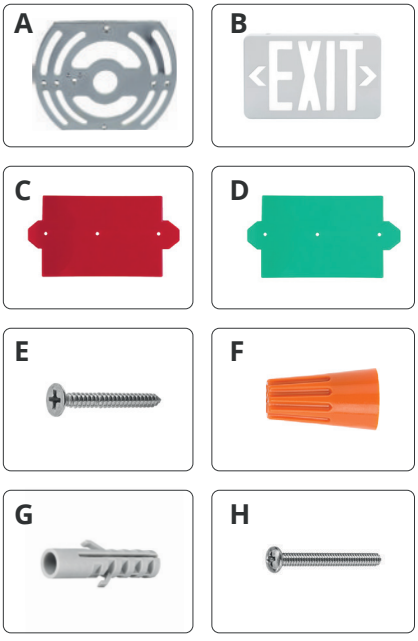
Risk of electric shock: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

Risk of Fire: Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

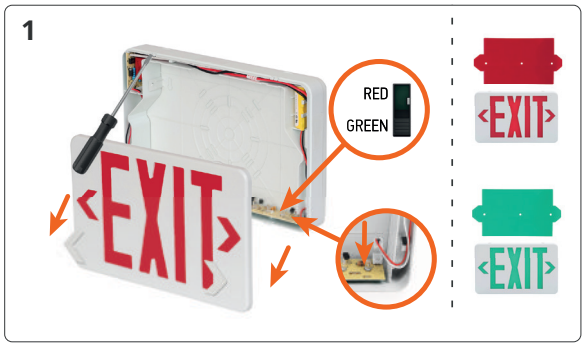
Integrity LED assumes no responsibility for claims arising out of improper or careless Installation or handling of this product.

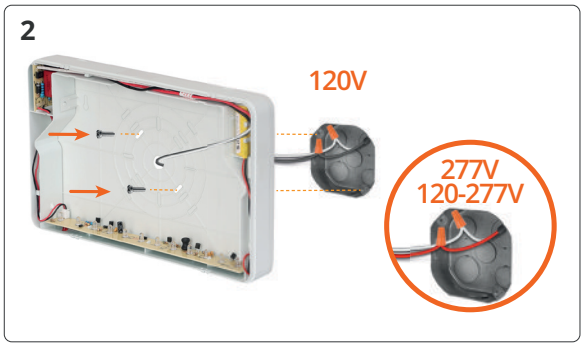
PACKAGE CONTENTS

DESCRIPTION	QUANTITY
LED exit sign	1
Mounting plate (A)	1
Additional faceplate (B) only for IL-ESD-RGW	1
Red color panel (C) only for IL-ESD-RGW	2
Green color panel (D) only for IL-ESD-RGW	2
Self-tapping screw (E)	2
Wire nut (F)	3
Anchor (G)	2
Mounting screw (H)	2
Box	1



WALL INSTALLATION





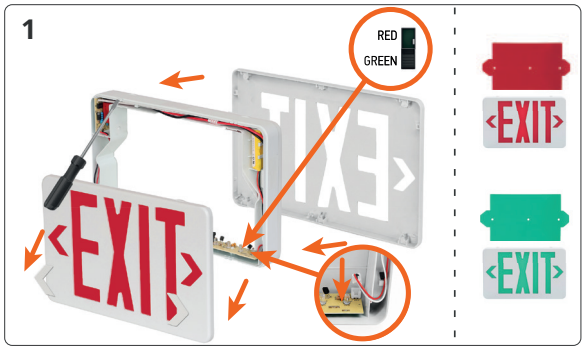


1. Remove the faceplate with a screwdriver, detach the required arrow insert(s) to indicate the exit direction. Optionally for RGW models: replace the faceplate with the included alternate-color panel to change the EXIT letter color and use the PCB switch to select the red or green LED color behind these letters. Connect the backup battery lead securely to the PCB.

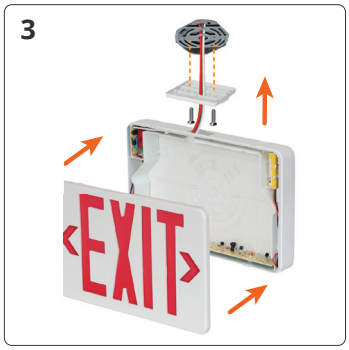
2. Punch out the correct mounting pattern and wire hole on the backplate, feed the supply wires through, and connect using wire nuts:
RW models: 120V black to black, white to white; 277V red to red, white to white.
RGW models: 120V-277V, red to red and white to white.
Secure the frame to the junction box with screws.

3. Cap unused wires, snap the faceplate onto the frame, restore power, and allow 24 hours for the battery to charge.

CEILING INSTALLATION





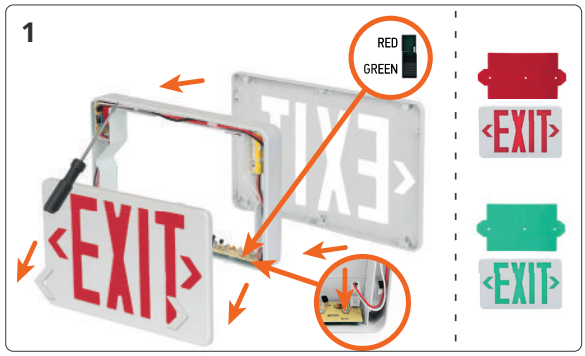


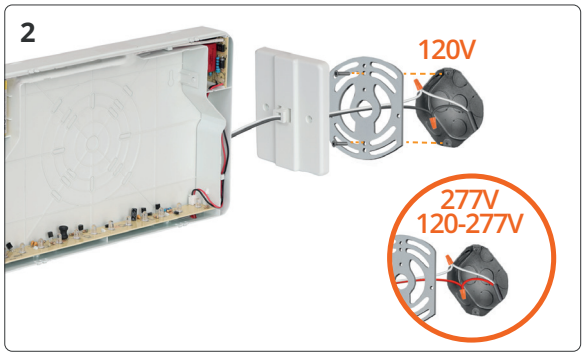
1. Remove the faceplate and the required arrow(s) for the exit direction. For double-sided use, release the lock tabs, replace the backplate with the second faceplate. Optionally for RGW models: replace the faceplate with the included alternate-color panel to change the EXIT letter color and use the PCB switch to select the red or green LED color behind these letters. Connect the backup battery lead securely to the PCB.

2. Remove the top access caps. Pull supply wires through the J-box plate, then attach the plate to the junction box with screws (not included). Feed fixture wires through the chosen hole and canopy nose. Connect using wire nuts:
RW models: 120V black to black, white to white; 277V red to red, white to white.
RGW models: 120V-277V, red to red and white to white.
Then secure the canopy with screws.

3. Insert the canopy into the frame opening, rotate 90° and lock into place. Snap the faceplate(s) back, restore power, and allow 24 hours for the battery to charge.

SIDE-WALL INSTALLATION







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