

WAYPOINT

DC Outdoor Power Supply/Chargers

Installation Guide

Models Include:

WayPoint-3

- 2.5 amp @ 12VDC or 24VDC.
- 115/230VAC input.

WayPoint-5

- 4 amp @ 12VDC or 24VDC.
- 115/230VAC input.

WayPoint-7

- 6 amp @ 12VDC or 24VDC.
- 115VAC input.

WayPoint-7V

- 6 amp @ 12VDC or 24VDC.
- 230VAC input.



Overview:

These Altronix High Current Outdoor Power Supply/Chargers provide 12VDC or 24VDC and are designed to be conveniently located where power is required.

WayPoint DC Reference Chart:

Altronix Model Number	Total Output Current (Power)	Output Voltage	SW1		115VAC/60Hz Input Current Draw	230VAC/50Hz Input Current Draw
			12VDC	24VDC		
WayPoint-3	2.5 amp	12VDC or 24VDC	CLOSED	OPEN	0.95 amp	0.6 amp
WayPoint-5	4 amp	12VDC or 24VDC	CLOSED	OPEN	0.95 amp	0.6 amp
WayPoint-7	6 amp	12VDC or 24VDC	CLOSED	OPEN	1.9 amp	N/A
WayPoint-7V	6 amp	12VDC or 24VDC	CLOSED	OPEN	N/A	0.95

Specifications:

- CE Compliant (except WayPoint-7/7V).
- AC and DC power LED indicators.
- Ease of installation saves time and eliminates costly labor.
- Includes battery leads.



- NEMA 4/4X, IP66-11 Rated Outdoor Enclosure.
 - Operating Ambient Temperature: -20° C to 50° C.
- Enclosure Dimensions (H x W x D):**
 13.31" (338.074mm) x 11.31" (287.274mm) x 5.59" (141.986mm)

Installation Instructions:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/NFPA 72/ANSI, and with all local codes and authorities having jurisdiction.

1. Remove back plane from enclosure prior to mounting (do not discard hardware).
2. Mark and drill desired inlets on the enclosure to facilitate wiring (*Fig. 1, pg. 3*).
3. Mount unit in desired location. Mark and drill holes to line up with the top and bottom holes of the enclosure flange. Secure enclosure with appropriate fasteners (*Fig. 5 & 5a, pg. 7 and Fig. 6, pg. 8*).
4. Mount back plane to enclosure with hardware.
5. Set power switch to the OFF position (*Fig. 2b, pg. 4, Fig. 3b, pg. 5, Fig. 4b, pg. 6*).
6. Connect AC power (115VAC) to terminals marked [L & N], connect ground to terminal marked [G] (*Fig. 2-4, pgs. 4-6*). Use 18 AWG or larger for all power connections (Battery, DC output).
7. Select the desired DC output voltage by setting SW1 to the appropriate position (*Reference Chart above*) (*Fig. 2a, pg. 4, Fig. 3a, pg. 5, Fig. 4a, pg. 6*).
8. Set power switch to the ON position (*Fig. 2b, pg. 4, Fig. 3b, pg. 5, Fig. 4b, pg. 6*).
9. Measure output voltage at terminals marked [- DC +] before connecting devices (*Fig. 2c, pg. 4, Fig. 3c, pg. 5, Fig. 4c, pg. 6*). This helps avoid potential damage.

Note: Power supplies mounted in weatherproof enclosures should be derated by approximately 50% due to harsh environmental conditions.

10. Set power switch to the OFF position (*Fig. 2b, pg. 4, Fig. 3b, pg. 5, Fig. 4b, pg. 6*).
11. Connect devices to be powered to terminals marked [- DC +] (*Fig. 2c, pg. 4, Fig. 3c, pg. 5, Fig. 4c, pg. 6*).
12. Connect optional stand-by battery to terminals marked [+ BAT -] battery leads included (*a separate enclosure is needed for batteries*) (*Fig. 2c, pg. 4, Fig. 3c, pg. 5, Fig. 4c, pg. 6*).

Note: When batteries are not used, a loss of AC will result in a loss of output voltage.

13. Set power switch to the ON position (*Fig. 2b, pg. 4, Fig. 3b, pg. 5, Fig. 4b, pg. 6*).
14. Upon completion of wiring, secure enclosure door with latches and optional lock.


Caution: Equipment to be installed / serviced by authorized / trained personnel only.
 Shut branch circuit power before installing / servicing equipment.


WARNING: To reduce the risk of fire or electric shock.



This installation should be made by qualified service personnel and should conform to all local codes and in accordance with the National Electrical Code.

LED Diagnostics:

Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition.
ON	OFF	Loss of AC. Stand-by battery supplying power.
OFF	ON	No DC output. Short circuit or thermal overload condition.
OFF	OFF	No DC output. Loss of AC. Discharged or no battery present.

 The lightning flash with arrow head symbol within an equilateral triangle is intended to alert the user to the presence of an insulated “DANGEROUS VOLTAGE” within the products enclosure that may be of sufficient magnitude to constitute an electric shock.

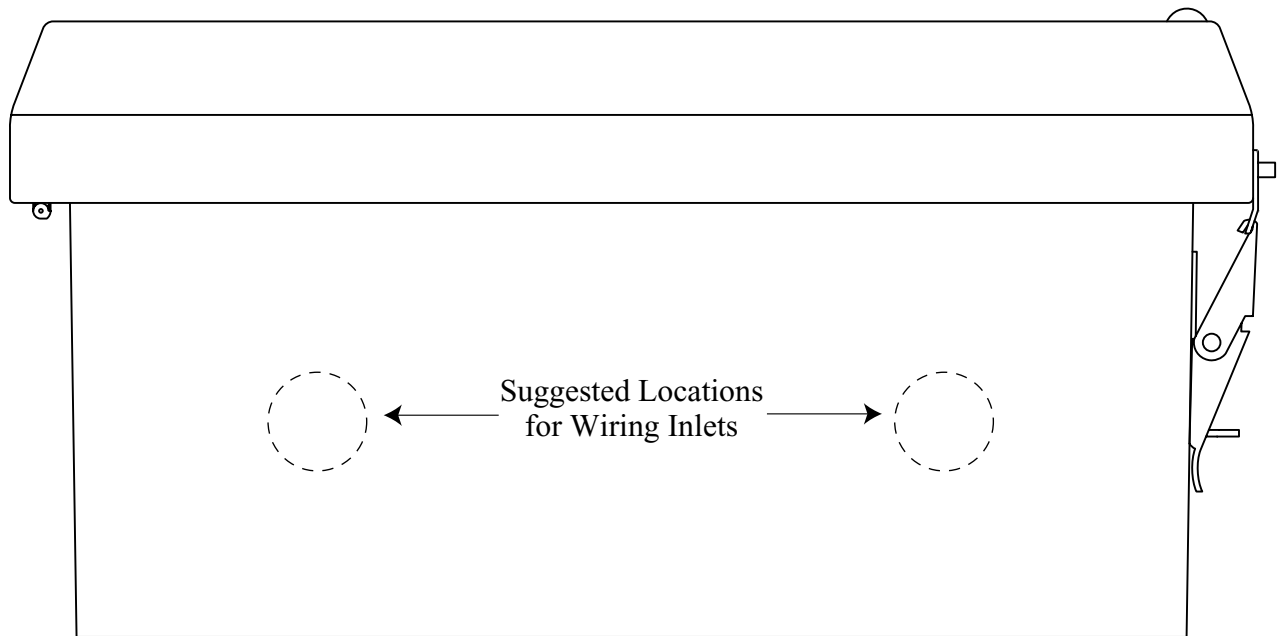
 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

 **CAUTION**
RISK OF ELECTRIC SHOCK
DO NOT OPEN  **CAUTION:** To reduce the risk of electric shock do not open enclosure. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

Terminal Identification:

Terminal Legend	Function/Description
- DC +	WayPoint-3 12VDC or 24VDC @ 2.5 amp continuous supply current. WayPoint-5 12VDC or 24VDC @ 4 amp continuous supply current. WayPoint-7 12VDC or 24VDC @ 6 amp continuous supply current.
+ BAT -	Stand-by battery connections. Maximum charge rate 500mA.

Fig. 1



Bottom of Enclosure

Fig. 2 - WayPoint-3

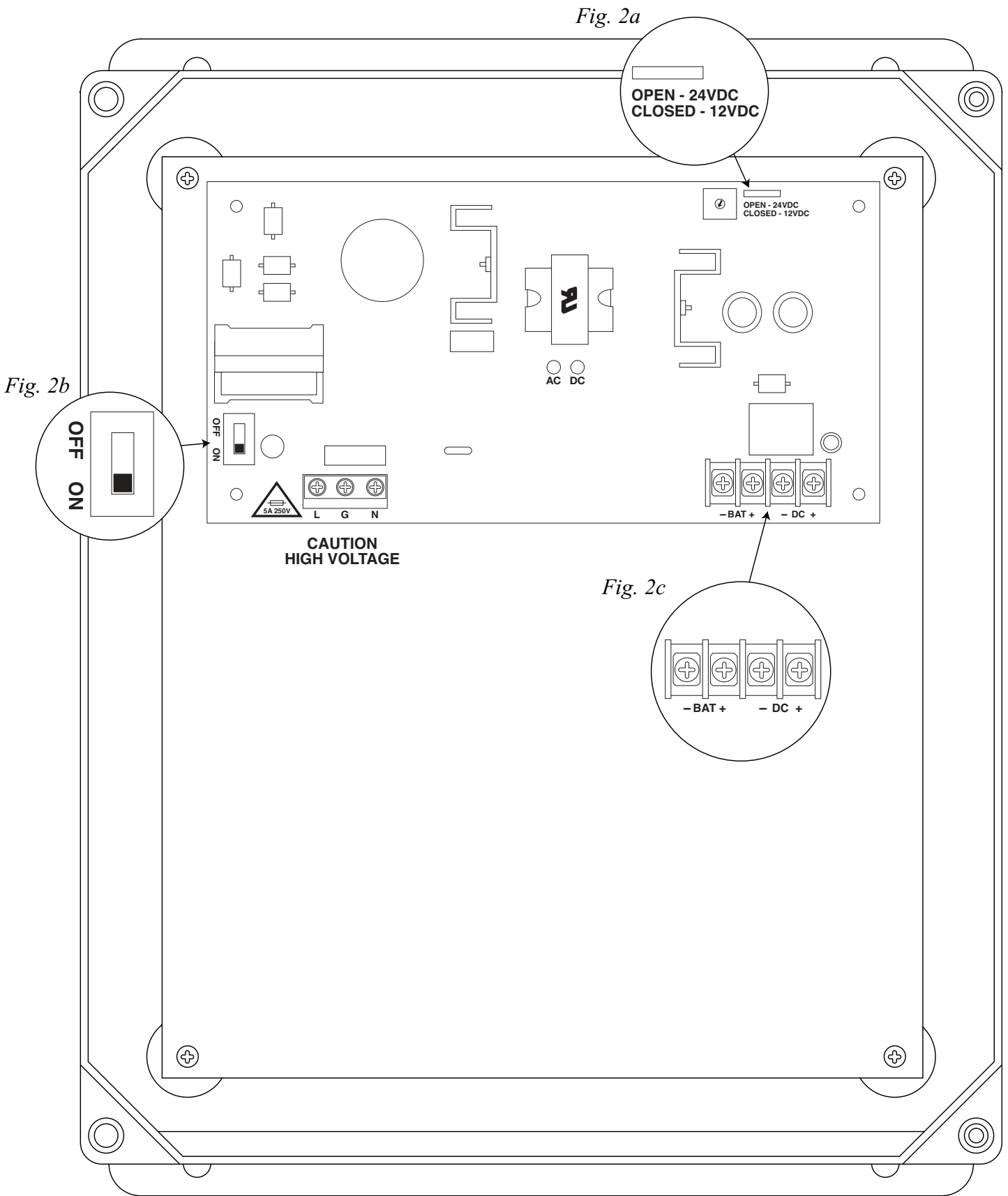


Fig. 2b

Fig. 2a

Fig. 2c

Fig. 3 - WayPoint-5

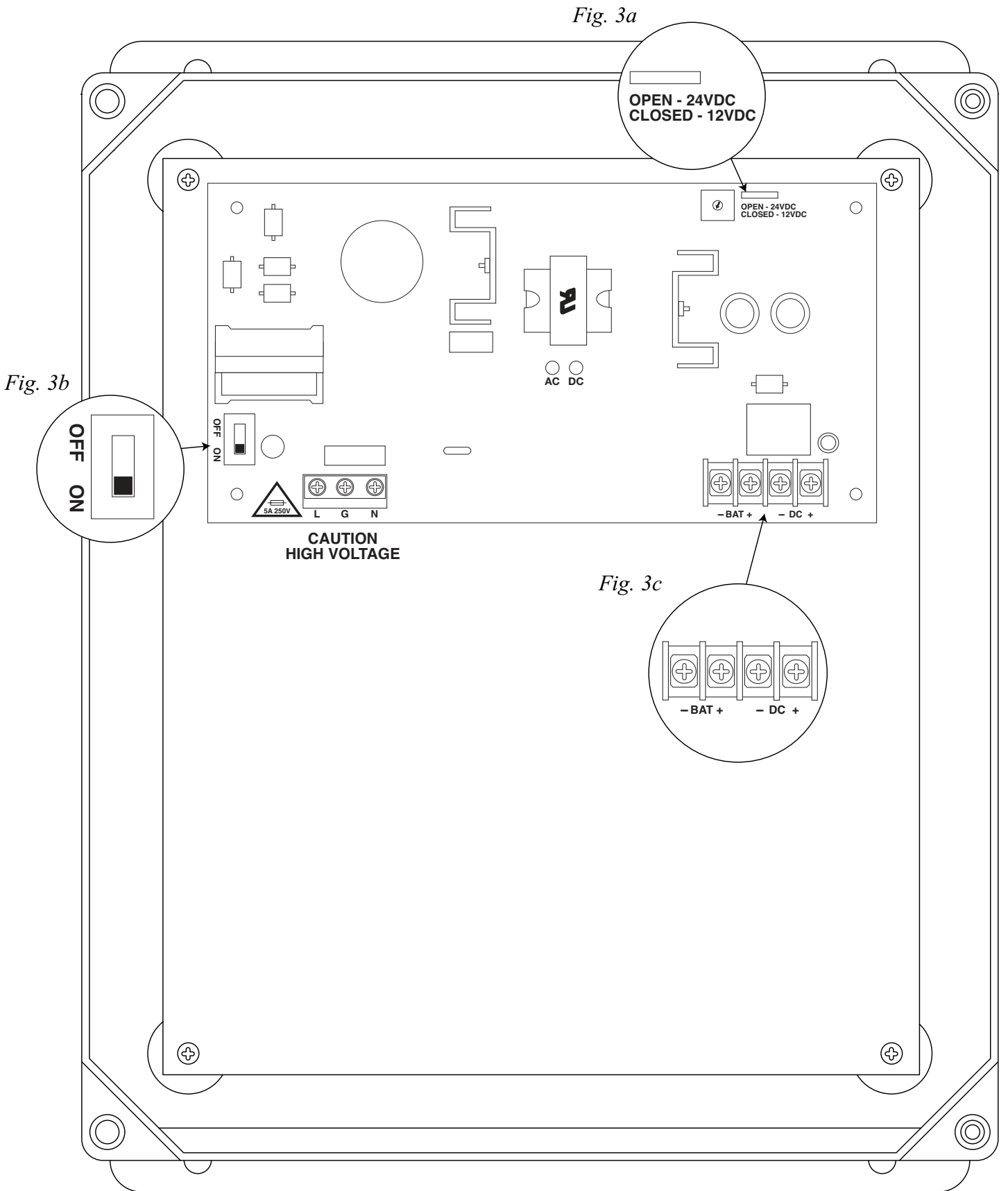


Fig. 4 - WayPoint-7 and WayPoint-7V

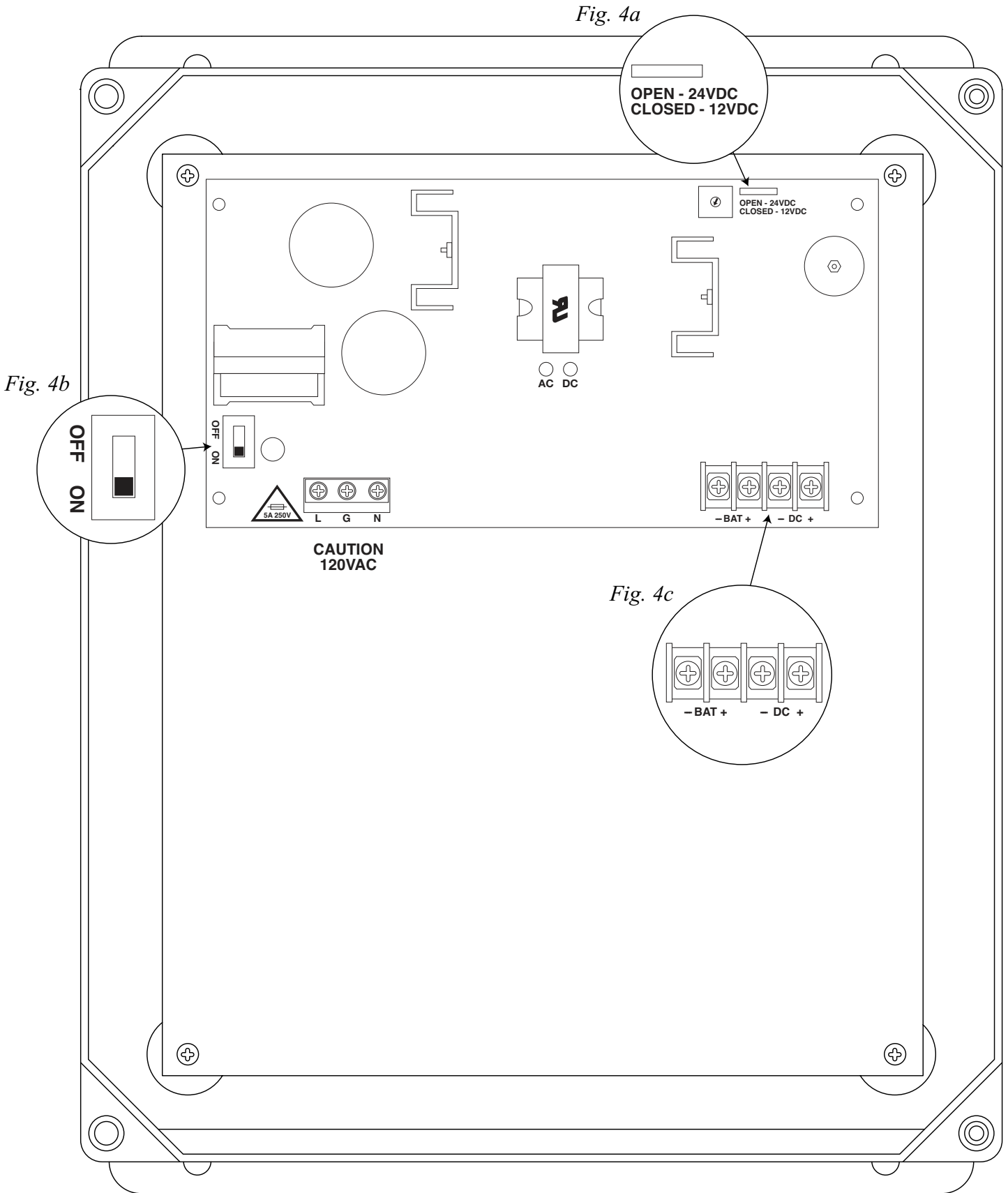


Fig. 4b

Fig. 4a

Fig. 4c

Wall Mount Installation

- 1- Place unit at desired location and secure with mounting screws (not included) (Fig. 5 and Fig. 5a, pg. 7).

Fig. 5

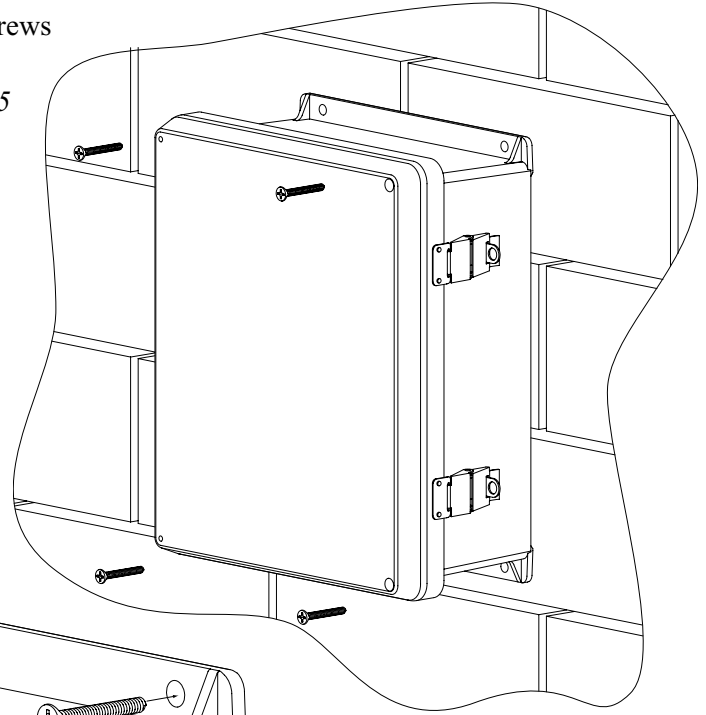
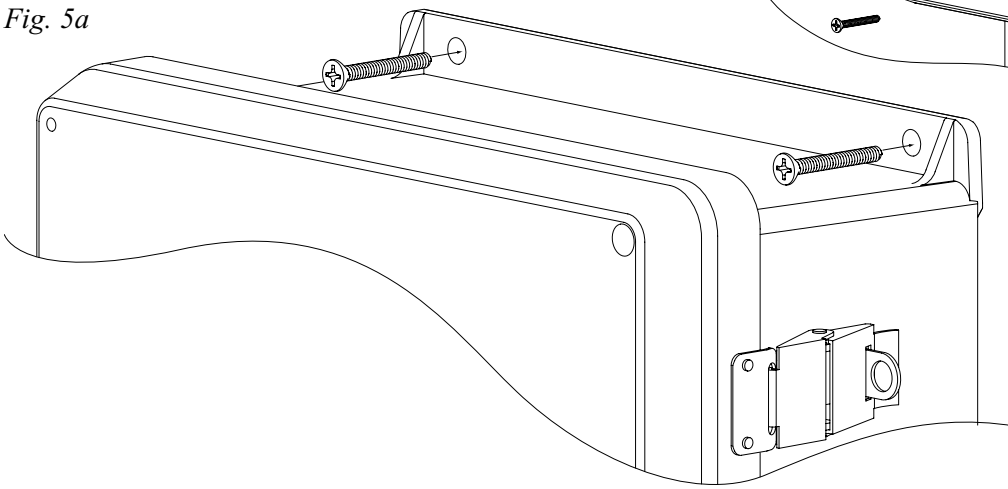


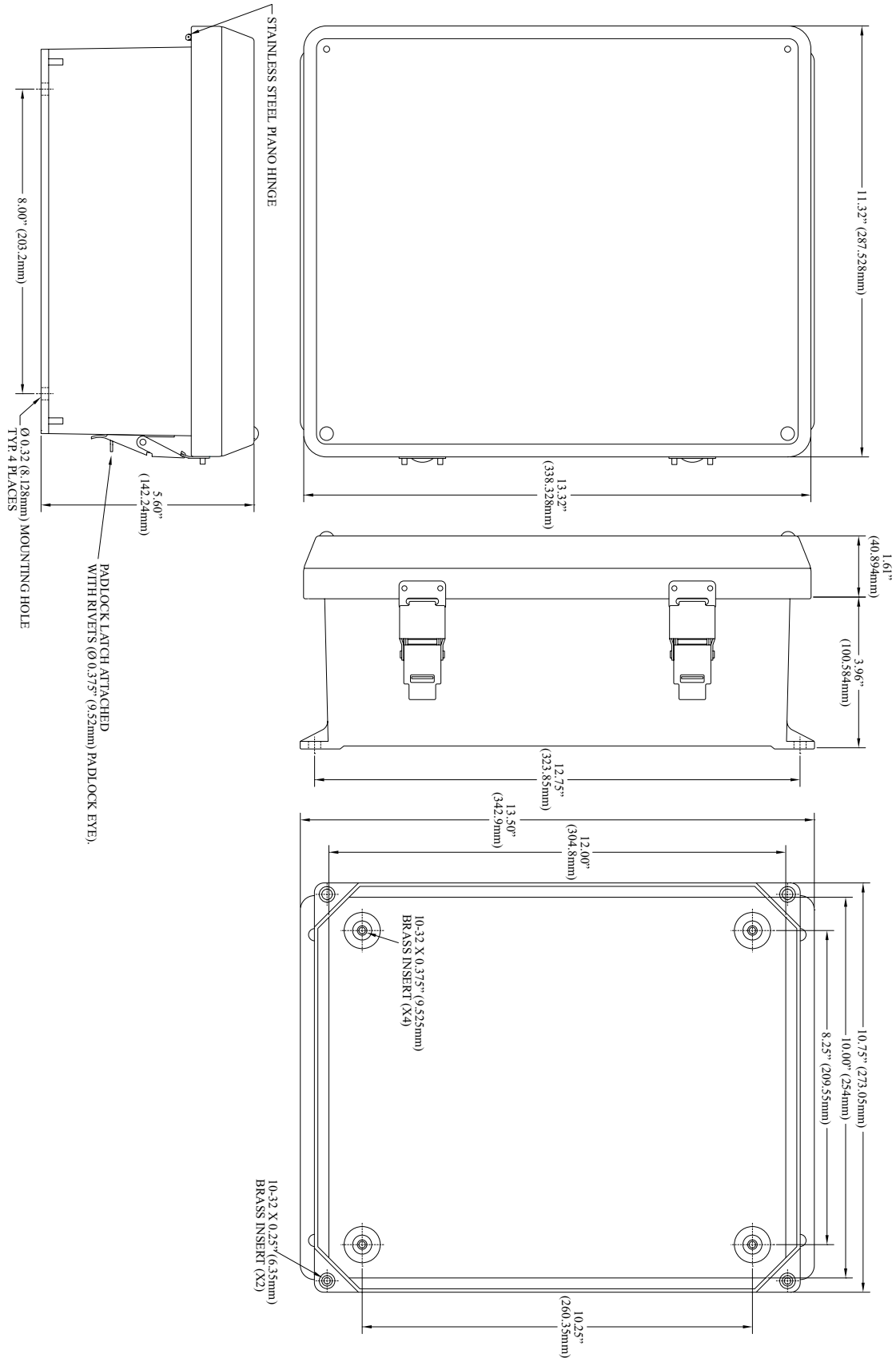
Fig. 5a



Enclosure Dimensions (H x W x D):

13.31" (338.074mm) x 11.31" (287.274mm) x 5.59" (141.986mm)

Fig. 6



Altronix is not responsible for any typographical errors.

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DC Outdoor