

TOKAMAK™ DC-10

DC HARVESTER & SHADE POWER DISTRIBUTION UNIT

INSTRUCTION MANUAL

TOK-DC-10

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Specifications are subject to change without notice

FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Thank you for your purchase

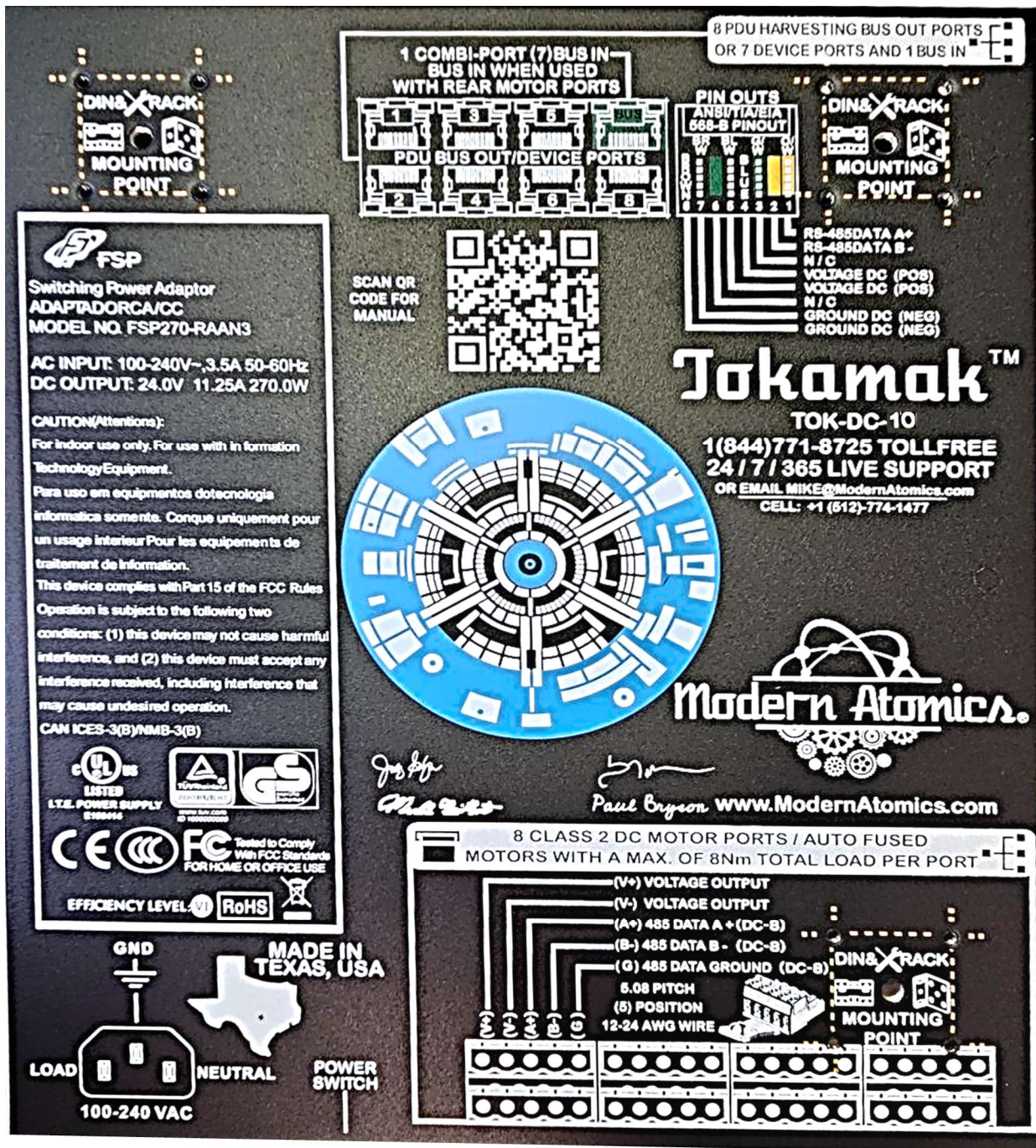
This manual is designed to provide all the necessary information for installation and deployment, however if you have any additional questions or need any additional information, please reach out to our Customer Support Teams.

TOLLFREE +1 (844) 771-8725 – 24/7/365

Throughout this manual you may find QR codes that when scanned will take you to a video for that section that may contain additional information. Scan the code or click on the QR code to bring up your default browser and take you to the video.



Bottom of unit which cannot be seen inside the enclosure but provided referenced here for UL and support help.



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QUICK START BASIC USE:

Tokamak DC-10 is a 10-shade Power Distribution Unit mounted inside a 16" x 12" x 4"

Plenum rated and UL listed enclosure

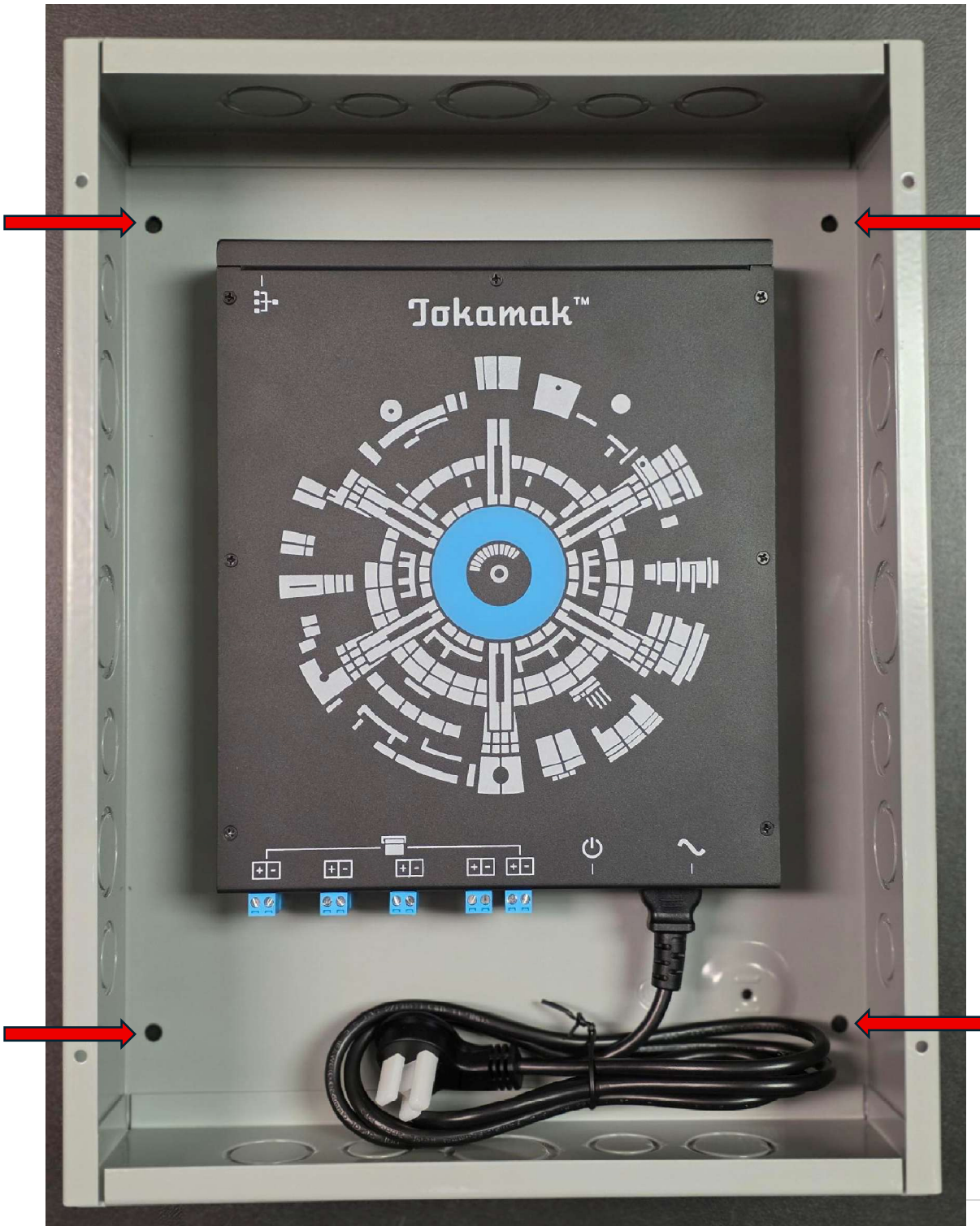
Remove the 4 screws to gain access to the PDU



QUICK START ENCLOSURE MOUNTING:

The enclosure can be mounted using the 4 mounting holes inside the unit.

Alternatively, some installers will want to screw the enclosure into wall studs on one or more sides. You will need to make your own holes to accomplish this.



QUICK START BASIC USE:

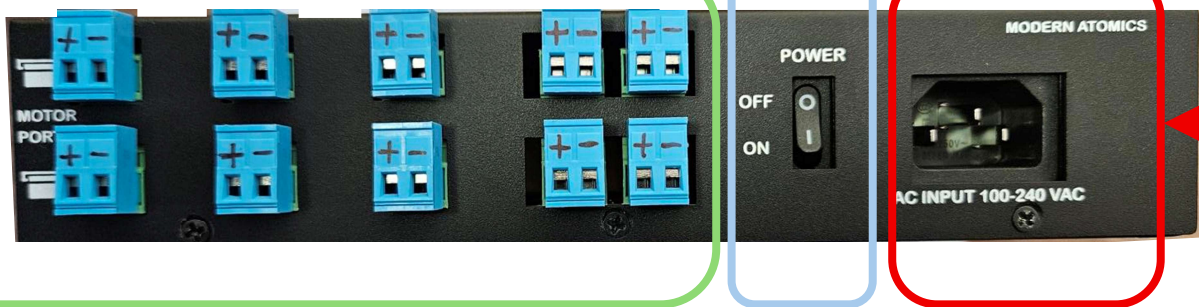
Tokamak DC-10 is a 10 Shade motor Power Distribution Unit and can also be used to harvest energy for Modern Atomics PDU's equipped with Energy Storage Modules or ESMs.

Simply connect the included AC power cable on the bottom right of the chassis.

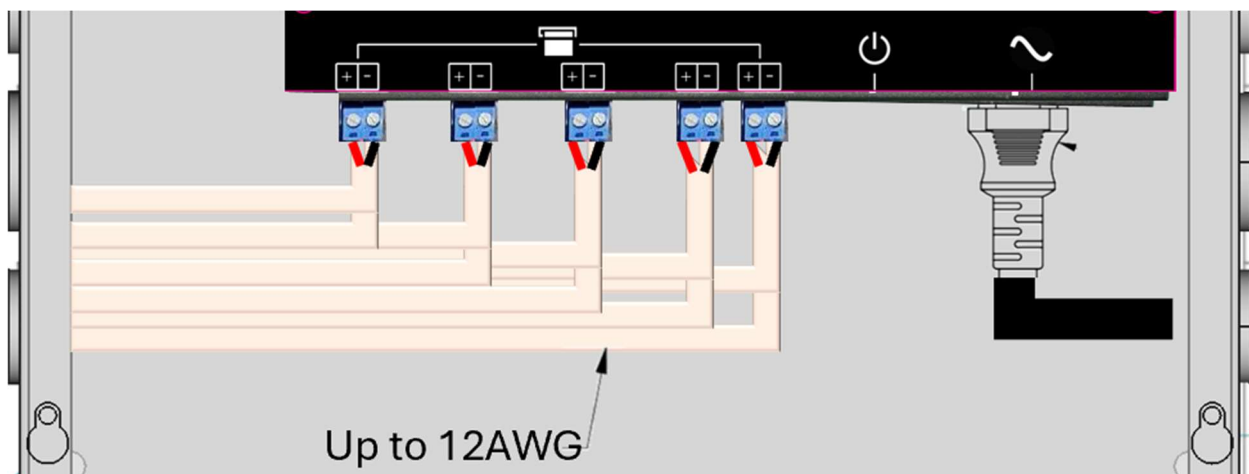
Make all Shade motor and PDU/User devices connections first, then flip the recessed power switch to on which is located on the rear panel next to the AC power input.

Your Shades are now ready to use.

DC-10 Unit bottom side view

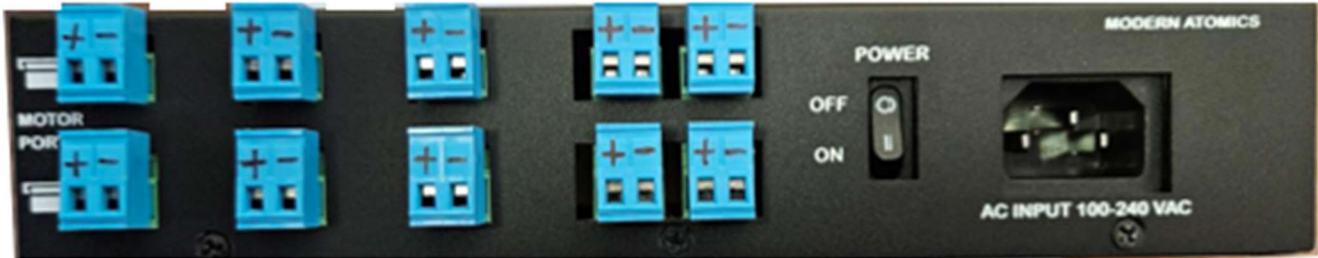


The Included AC cable will need to be carefully routed out one of the punch outs located on all four sides of the enclosure. And all shade wires will also need to be routed into the enclosure through one or more of the punch outs.

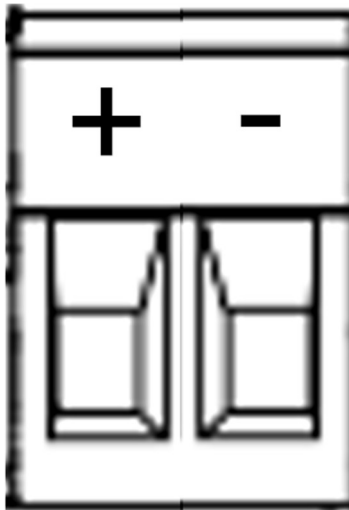


INTRODUCTION: MOTOR CONNECTORS

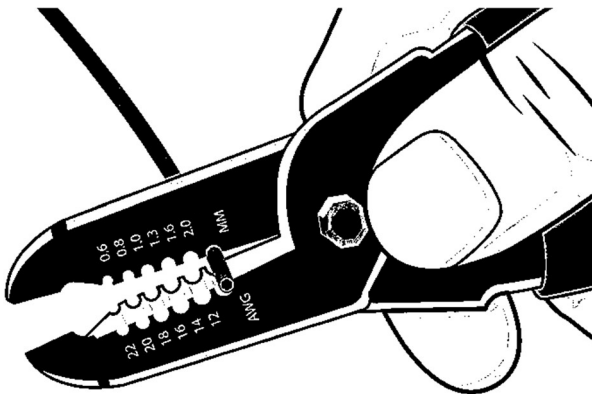
Each of the 10 connectors are 5.08 pitch with 2 positions that can support up to 12AWG wire



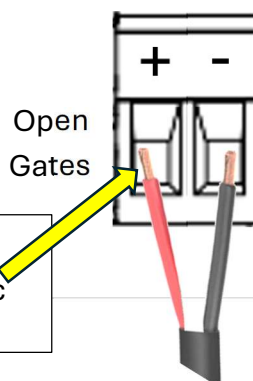
Connect the 24V **Positive** (+) from the shade motors to the left terminals marked with (+)



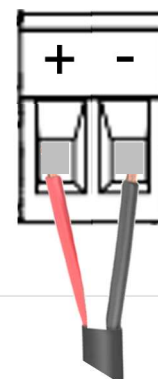
Connect the **Negative** Ground (-) from the shade motors to the right terminals marked (-)



Strip approx. ¼ of dielectric from each wire up to 12AWG and insert into each polarity gate and use a small flathead screwdriver to turn the top screws to close the connector gates down on the stranded wire



Turn clockwise to tighten

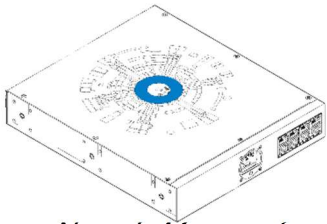
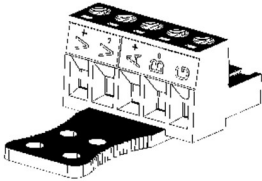
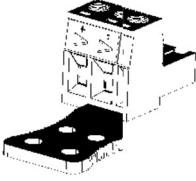
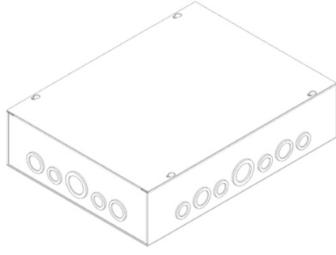
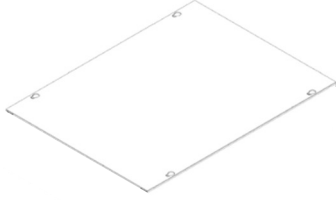


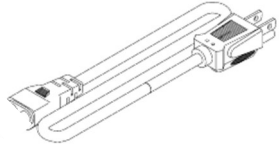


For best results ensure the gates are only closed onto the wire and not the dielectric

[H] – AC Power input IEC C14 (Compatible with IEC C13 cables)



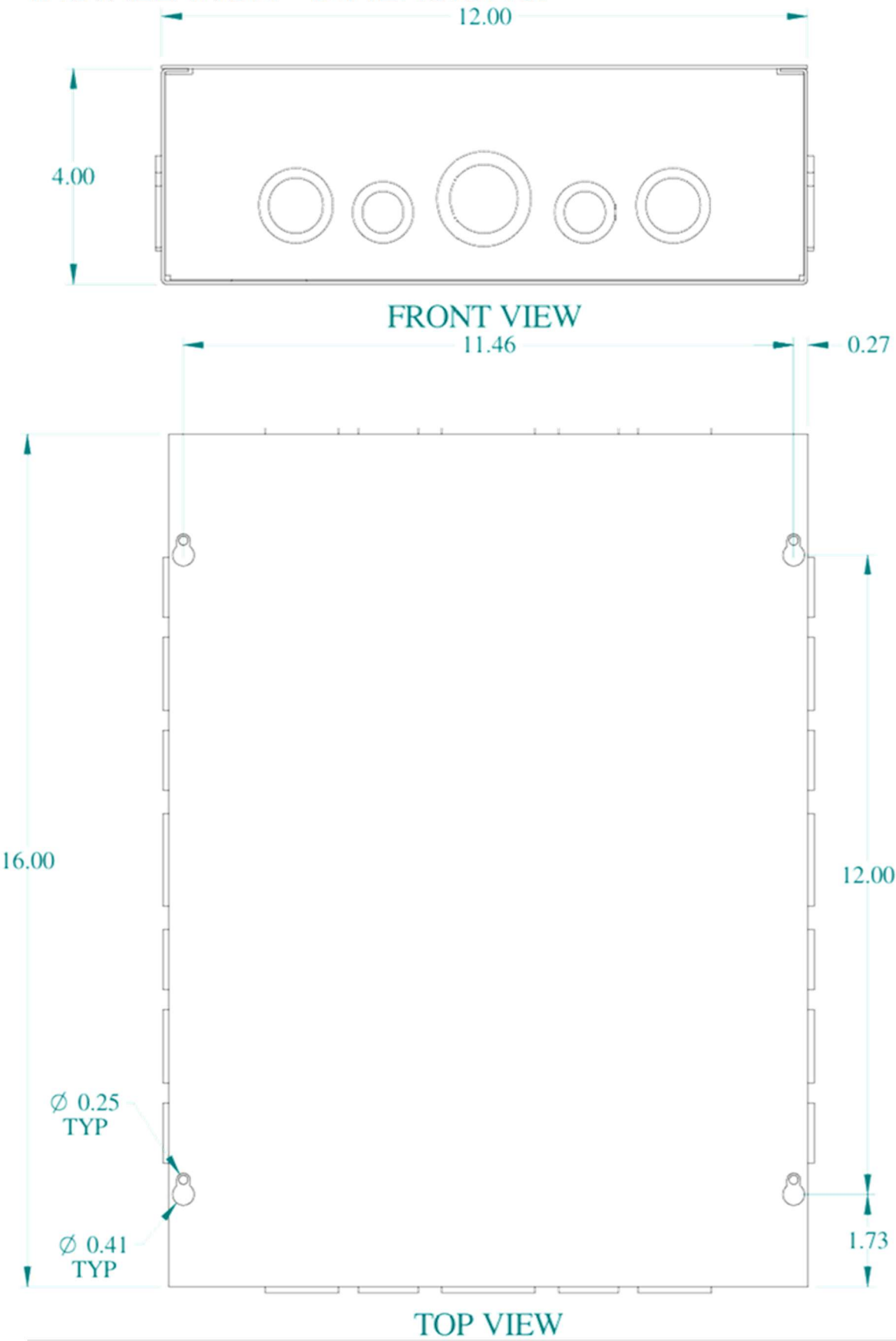
DC-10 PARTS INCLUDED IN BOX: (Replacement parts sold on website)

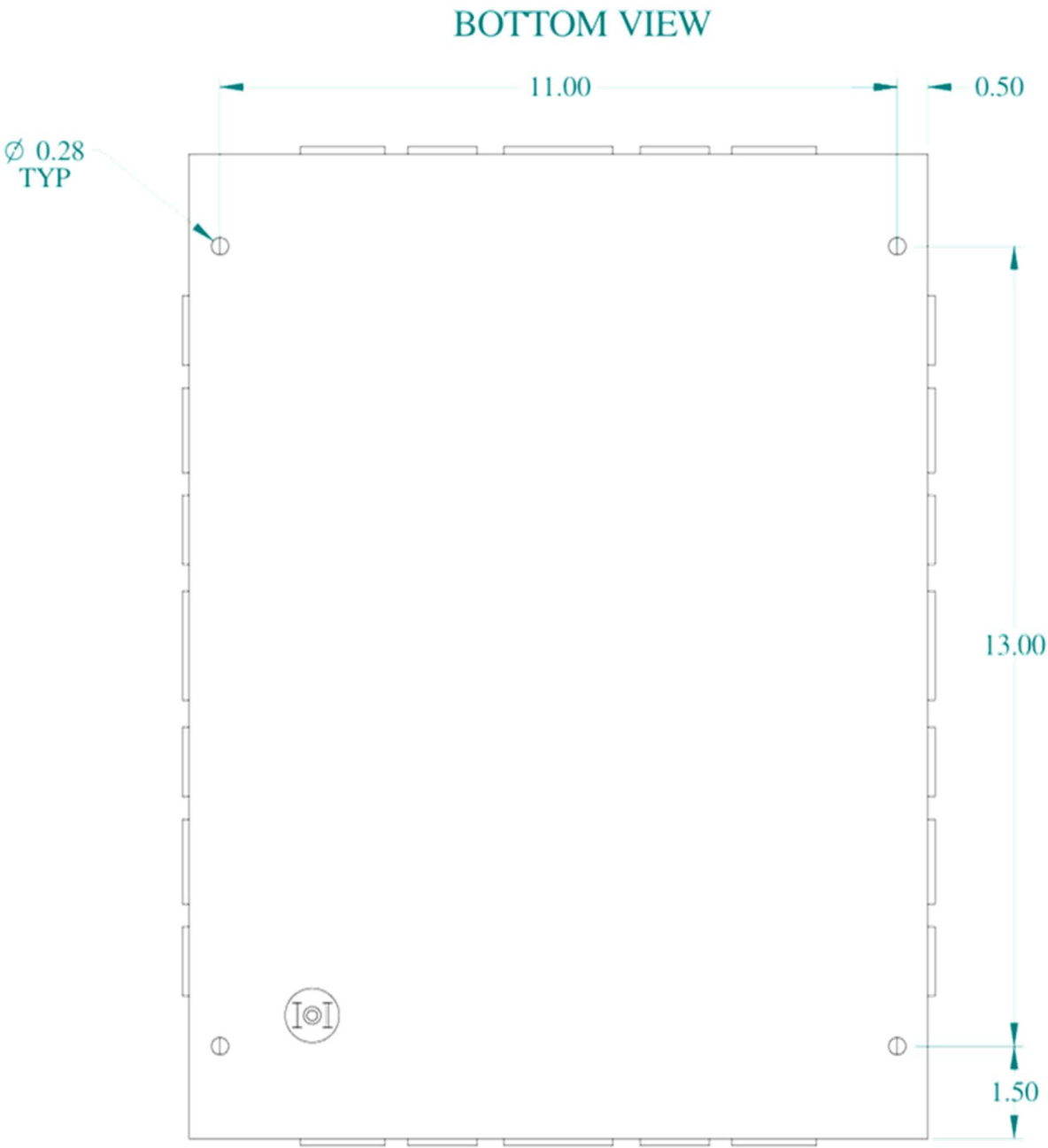
 <p>Already Mounted</p> <p>(1) TOKAMAK PDU #TOK-DC-8 / DC-10</p>	<p>#TOK-DC-8 ONLY</p>  <p>(8) 5.08 PITCH TERMINAL BLOCKS # TRM-BLC-5-081</p>	<p>#TOK-DC-10 ONLY</p>  <p>(10) 5.08 PITCH TERMINAL BLOCKS # TRM-BLC-2-081</p>	 <p>(1) 16" x 12" x 4" ENCLOSURE # TKM-16x12x4</p>
 <p>(1) ENCLOSURE LID W/ 4 MOUNTING HOLES #TKM-16x12x4-LID</p>	 <p>(4) LID SCREWS</p>	 <p>(10) CABLE TIES #4-CBL-TS-PAK</p>	 <p>(1) NEMA 5-15P to C13 AC CABLE</p>
		<p>Some SKU's Do not have strain relief On terminal blocks</p>	

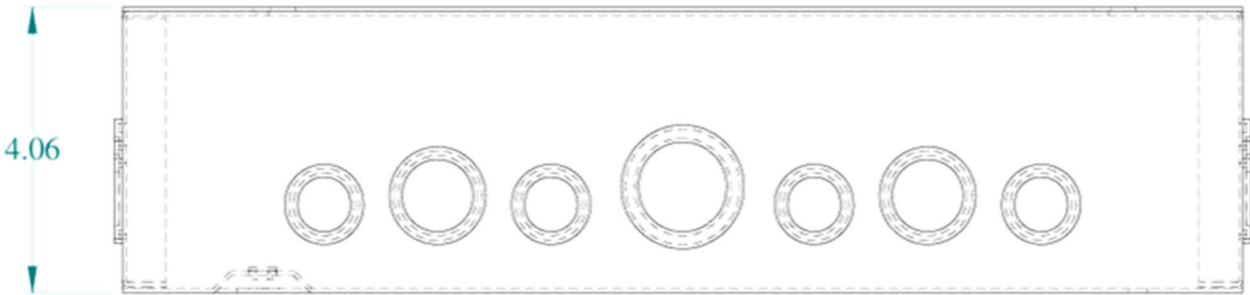


This manual is NOT included in the box as part of our SAVE sustainability efforts. We have 3 QR CODE locations on the enclosure for digital downloads of this manual.

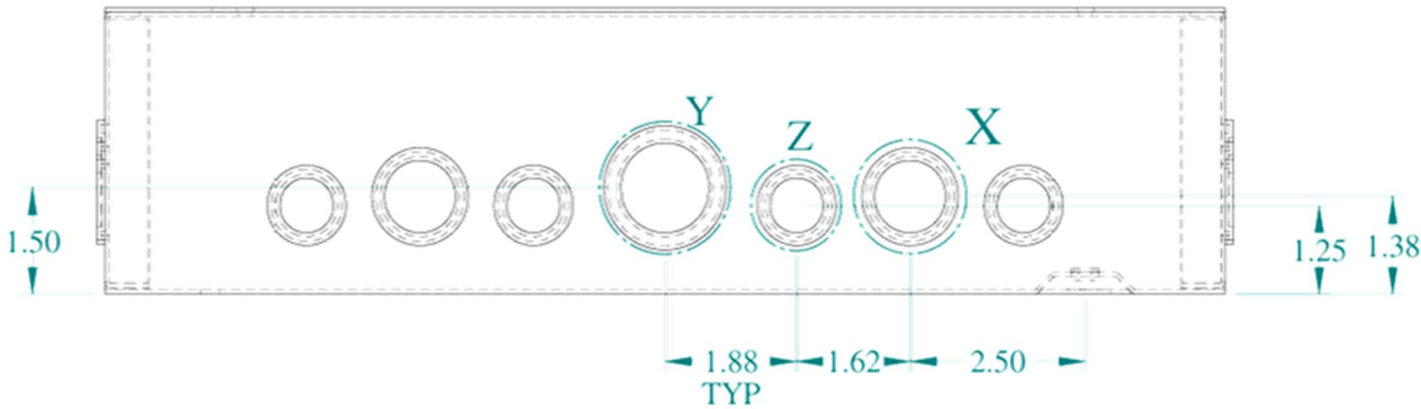
INSTALLATION - DIMENSIONS:



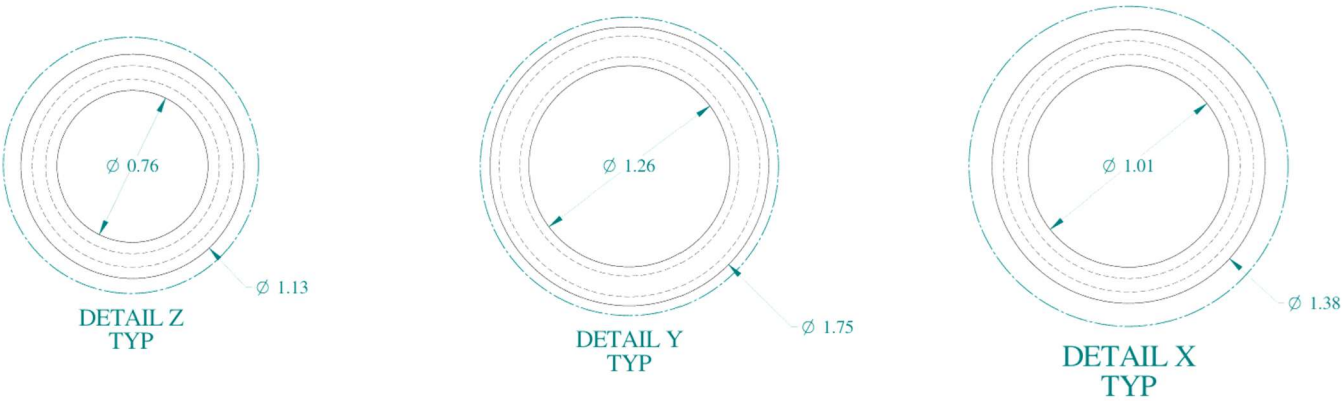


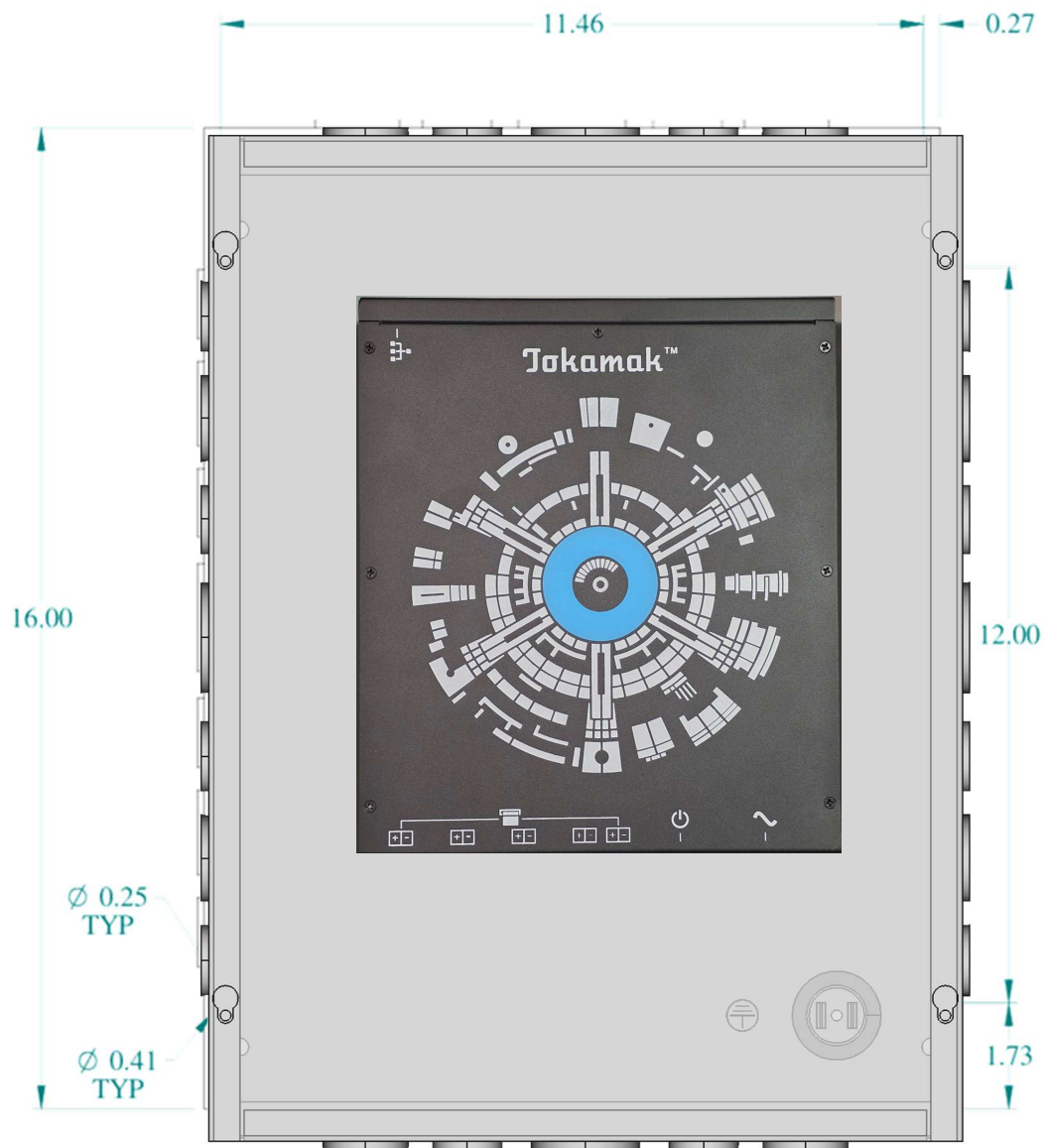


SIDE VIEW

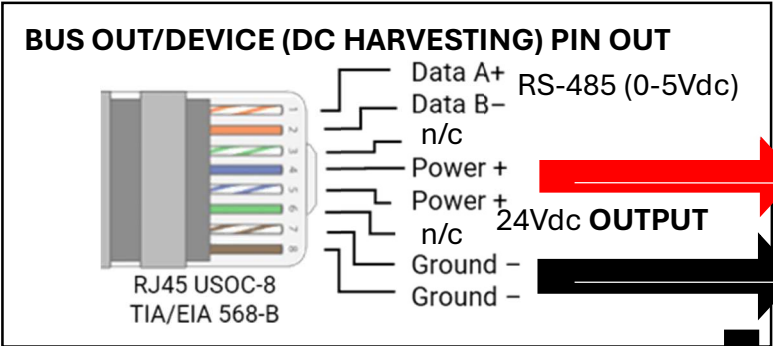


SIDE VIEW

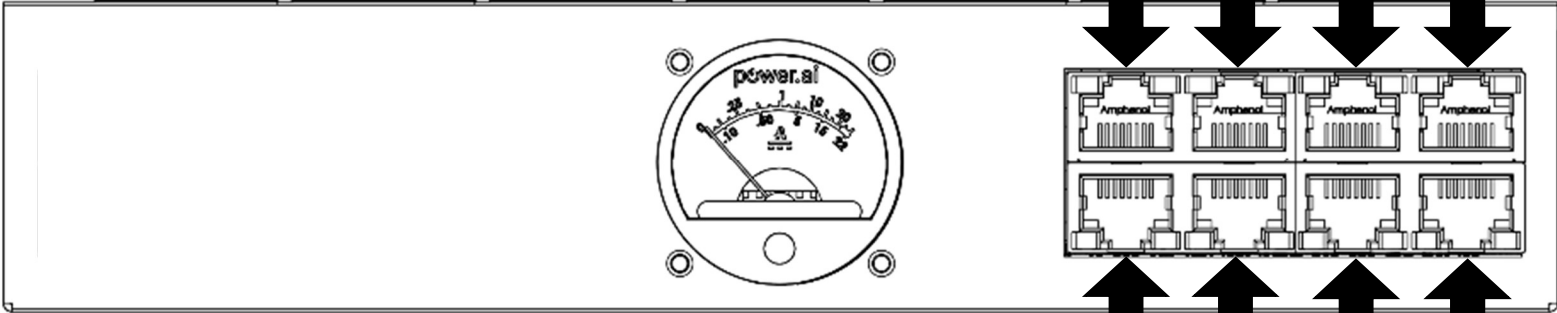




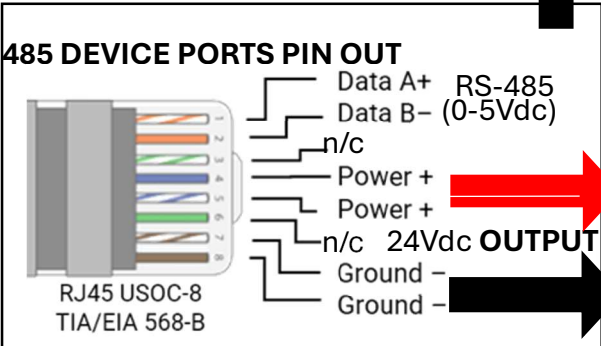
INSTALLATION - CONNECTIONS: TOP PANEL



(7) 485 DEVICE/PDU PORTS (RJ45)



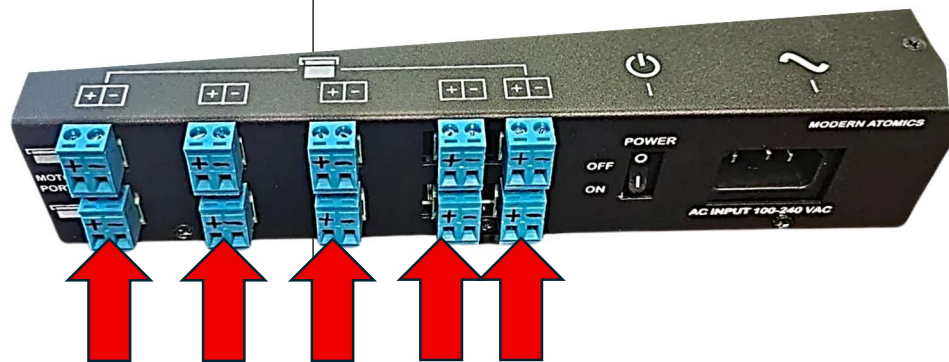
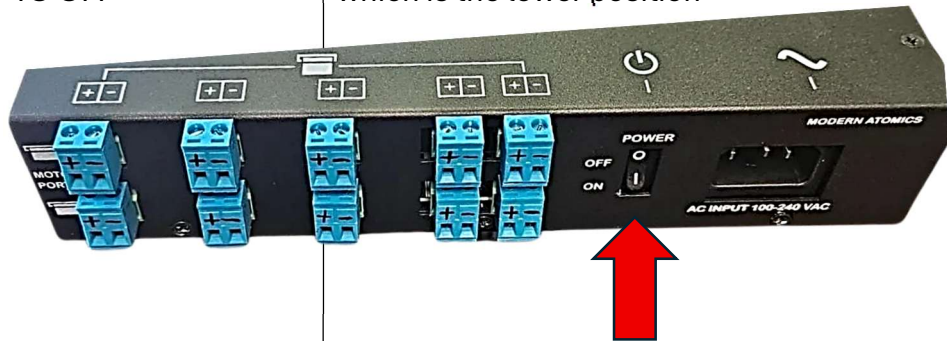
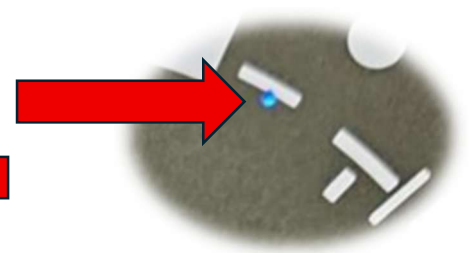
SHOWN WITH OPTIONAL VOLTMETER



TROUBLESHOOTING

CALL US FOR HELP TOLLFREE +1 (844) 771-8725

ISSUE	POTENTIAL CAUSE:	REMEDY ACTION:
Tokamak unit has no power	AC Cable	Check to make sure the AC power cable is connected to a working AC outlet, ensure the power switch is in the down location (power on) check for the blue power light is on in the upper right of the top panel
Tokamak unit has no power	POWER SWITCH SET TO OFF	Check to ensure the Power switch is in the ON position which is the lower position
One Shade not working	AUTOFUSED ACTIVE	Check wiring and ensure there are no shorts on wire. Once the short is resolved, the auto fuse will automatically reset



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