Tokamak™ DC-L8 Multi-Protocol/RS-485

Product Overview:

Tokamak™ is a Plenum-Rated Rack-Mount, din mount, or wall-mount low-voltage power supply & 485 agnostic data hub with 8 motor ports and 8 Combi ports and a non-powered Bus in and Bus out.

Tokamak™ can also be used to harvest energy for up to 8 Reactor's or Neutron PDUs

When used as an 8-shade power supply, each rear port can provide up to 4Nm motors. And each front port can power up to 2Nm motors. The half-rack sized enclosure can be joined

16 DC motors per 1RU or can be stacked together inside a 20" wall box. The product can be used as a stand-alone solution in small 8-Shade systems or to harvest power for us to 176 shades via up to 8 Reaktor's or Neutron units. Grow your system by adding other Neutron, Reaktors, Stellarators, & Colliders or 485 data hubs for unlimited 485 node systems.



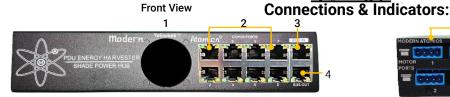
Technical Specifications:

- Input: 90 ~ 264 VAC, 1.2A (IEC-C14)
- Rear Motor Output: 24 or 36 VDC (8Nm)
- Front Combi ports Output: 24 or 36V DC
- Rear mounted On/Off Power Switch
- Material: Powder coated steel enclosure
- Dimensions: (1.75 in. H) x (8.51 in. W) x (10.5 in. D)
 (4.3cm H) x (21.58cm W) x (24.81cm D)
- Maximum Wiring Distance
 - Rear motor ports: Up to 100m per motor port. 4 or 5 position wire with 12AWG for power
 - Front Combi ports: Up to 50m per motor port. UTP with minimum 23AWG
 - Front device ports: Up to 75m per device port
- Operating Temperature Range: Ambient temp.
- Shipping Weight: 5.1 lbs. [2.17kg]
- Indoor use only
- 10-YEAR Transferable Warranty

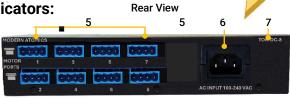
Features summary:

- Enables power for up to 8 Low Voltage DC motors per unit (11A MAX)
- Built-in 8-port PDU HUB
- Works with Many Popular Motors;
 - o All Lutron® Low Voltage 35V RF and 485 Motors
- Certified IEC 62368-1 & CB 60950-1
- Meets USA EISA 2007
- Meets Energy Efficiency DOE Level VI
- Meets Code of Conduct Version 5 Tier 2
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection
- LUTRON 36V Version without Gauge
- CRESTRON 24V Version with Gauge



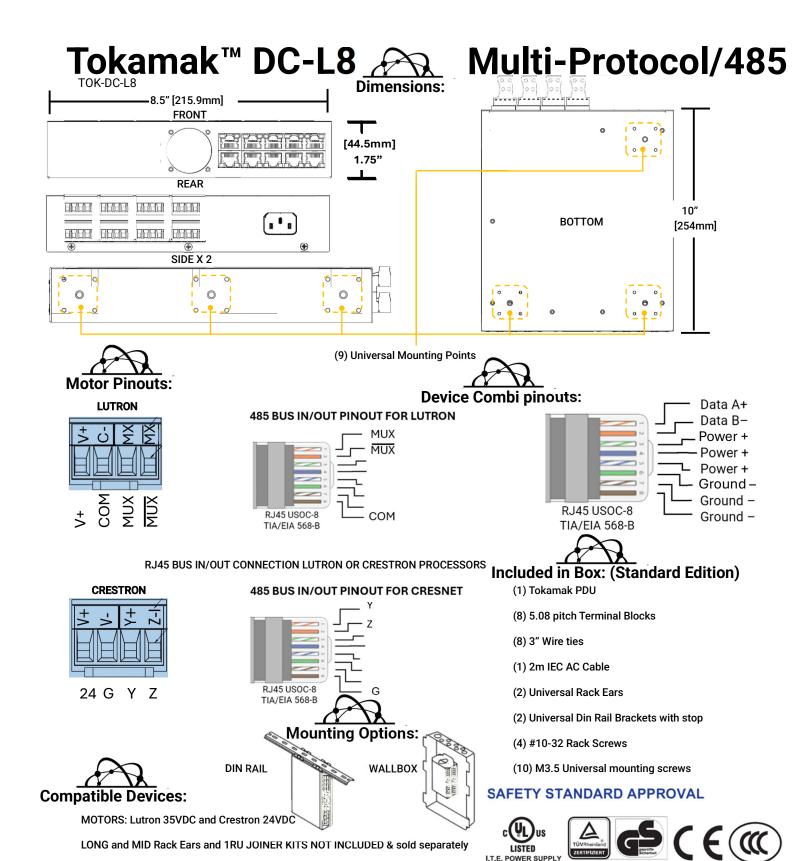


	ELEMENT	DESCRIPTION
1		
2	COMBI PORTS	(8) SHADE/DEVICE/PDU HARVEST
3	BUS IN	(1) NON-POWERED
4	BUS OUT	(1) NON-POWERED
5	Motor Ports	(8) DC motors max ≤4Nm per port
6		
7	IEC 14 Port	AC Power Cable Included
8	Plenum Rated	Enclosure
9		





I #340141 AUG 2025



All brand names, product names and trademarks are the property of their respective owners. Certain trademarks, registered trademarks, and trade names may be used to refer to either the entities claiming the marks and names or their products.



23438 Texas Highway 35, Palacios, Texas 77465, United States

