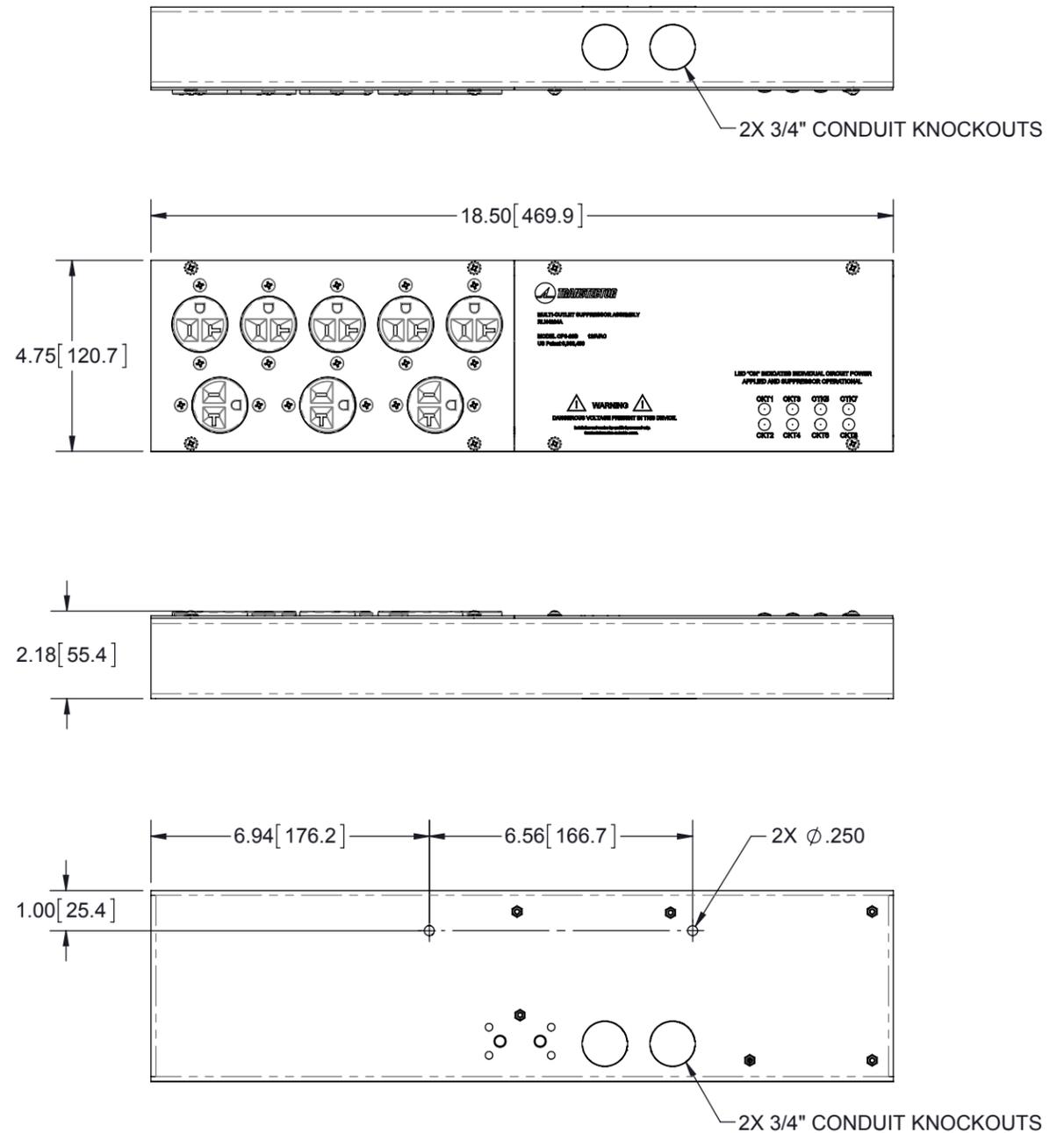
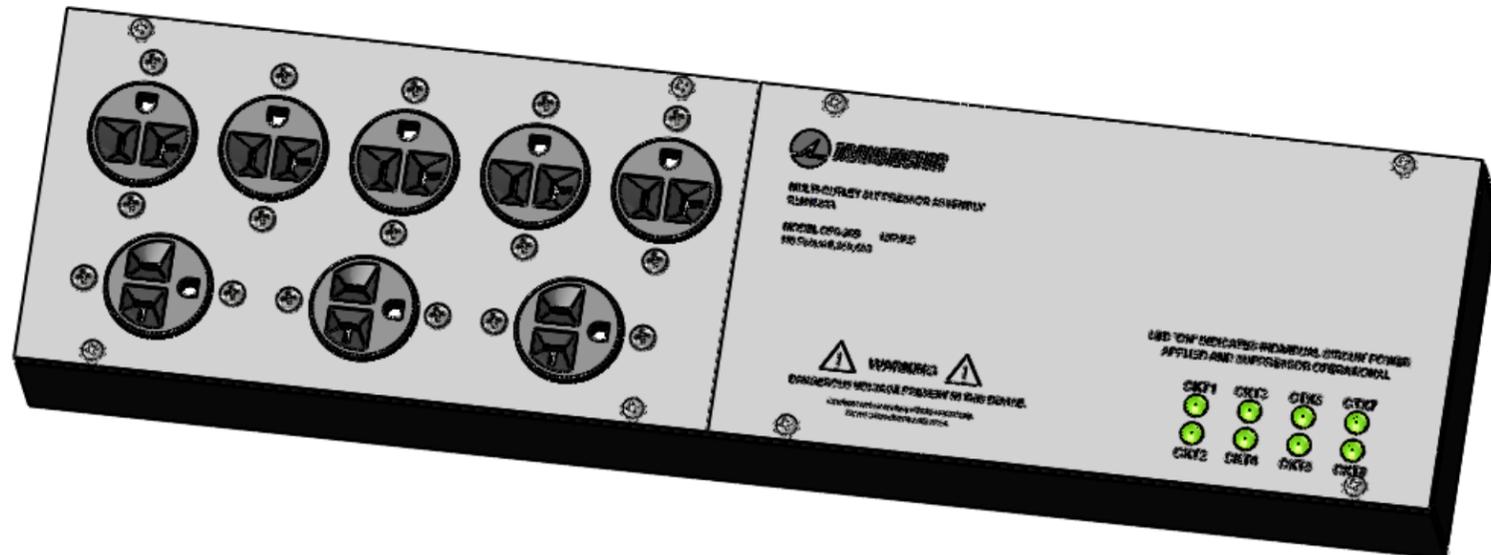


REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
A	PRODUCTION RELEASE		6/14/13	DWR



**GENERAL DESCRIPTION**

The OP8-20B is a power distribution panel designed with eight individually fused surge protected 120Vac / 20A circuits. The SPD is Motorola R56 Compliant and UL Listed. The OP8-20B uses patented silicon avalanche suppressor diode (SASD) technology to achieve low voltage protection levels at high induced surge currents. Each of the eight outlets is supplied by a dedicated AC feed, and features a 20A fuse and replaceable surge suppression module that plugs directly onto the internal PCB. The status of each dedicated circuit is displayed by eight LED's on the front of the enclosure. The OP8-20B offers flexible mounting options.

**Standard Motorola Installation:** The PDU shall be mounted at the top of the EIA 19" rack, or can be installed using an adapter plate into the rack frame or equipment cabinet. Up to eight 120V 20 Amp circuits may be installed into each OP8 PDU. Each circuit is serviced from a dedicated panel board breaker with a hot and neutral conductor **per outlet** and one single ground connection from the AC service panel board.

**TECHNICAL DATA**

**Electrical:**  
**Tested to:** ANSI/IEEE C62.4 2002, C62.45 2002 Location Category A  
**Technology:** SASD  
**Frequency Range:** 50/60 Hz  
**Modes:** L-N  
**Nominal Operating Voltage:** 120 Vac Single Phase  
**Maximum Continuous Operating Voltage:** 140 Vac  
**Nominal Discharge Current I<sub>n</sub> (8x20µs):** 500 A  
**Maximum Discharge Surge Current:** 700 A (Single Strike)  
**Voltage Protection Level U<sub>p</sub> (500A 8x20µs):** < 300 V  
**Short Circuit Current Rating:** ≤ 20 A  
**Leakage Current at U<sub>n</sub>:** < 5µA  
**Response Time:** < 5ns  
**Status Indication:** LED (Green = Good, Dark = Replace fuse and suppressor)

**Mechanical:**

**Enclosure Type:** Indoor Only - Panel or 19" Rack Mount  
**Enclosure Protection Level NEMA 1:** Black painted mild steel, screw access, knockouts  
**Dimensions:** 18.5" x 4.75" x 2.18" (469mm x 1207mm x 554mm)  
**Weight (Max):** 6.5 lb (2.9kg)  
**Input Power Connections:** Eight 120 Vac Phase, Neutral, Safety Ground  
**Output Power Connections:** NEMA 5-20 Receptacle  
**Wire Size:** #6 AWG to #12 AWG (16 mm<sup>2</sup> to 4 mm<sup>2</sup>)  
**Stripping Length:** 0.375" (9 mm)  
**Wire Torque:** 4.5 lb-in (0.51 N\*m)

**Environmental:**

**Operating temperature:** -40°C to +55°C  
**Storage temperature:** -40°C to +55°C  
**Humidity:** ≤ 95% Non Condensing  
**Ventilation:** Not required, direct heat loading is not recommended  
**Suppression Module Inflammability Rating:** UL94 V-0  
**Certification:** UL Listed Controlled 47TJ

**OPTIONS**

19" Open Face Rack Mount Adapter - OP8-ADP p/n: 1101-378  
 19" Schroff Rack Mount Adapter - OP8-SCHR p/n: 1101-378-1  
 Replacement Suppression p/n: 2250-461-2  
 Replacement Fuse p/n: 3600-070

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	DRAWN	DPM	DATE	2/27/13
	ENG APPD	DWR		6/14/13
	PRODUCT MGR	MLH		6/18/13
	MARKETING APPD			
MATERIAL NOTED	PROJECT NO.			
THIRD-ANGLE PROJECTION	NOTICE: THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR SYSTEMS. ALL RIGHTS RESERVED.			

**CUSTOMER PRINT**  
**OP8-20B**  
 CUSTOMER SPECIFICATION

SIZE	CAGE	PART NUMBER	REV
B	30992	1101-356-1	A
SCALE	PROD CAT	DOCUMENT NAME	SHEET
1:4	ACT	1101-356-1-C	1 OF 1