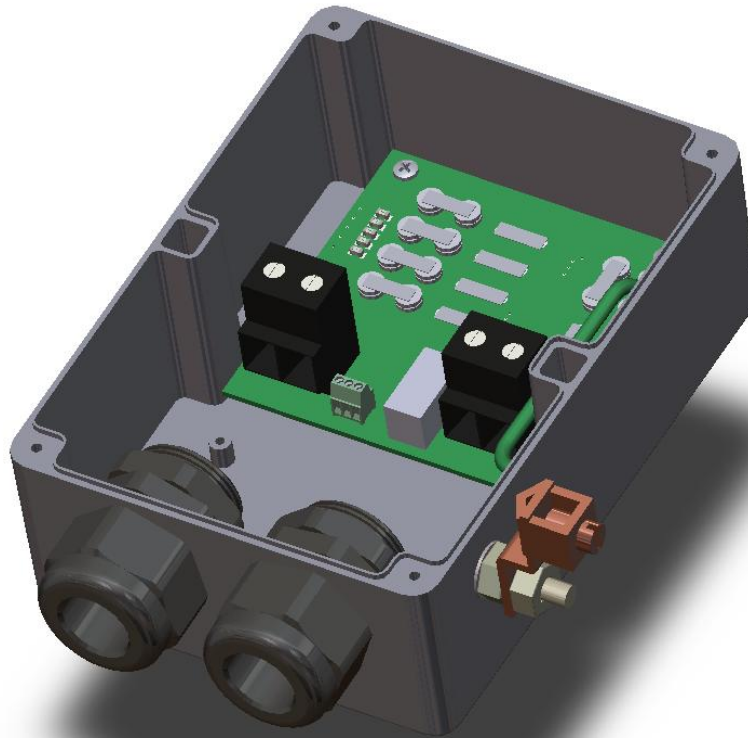


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DESIGN ACTIVITY.

REVISIONS

LTR	DESCRIPTION	ECO NUM.	DATE	APPROVED
A	ORIGINAL RELEASE	DD48431	6/4/10	JDW
B	ADD PROTECTION LEVEL	9161	11/30/10	MPD
C	UPDATE FIG. 1 - & + SYMBOLS	9764		



DRAWN:	JDW	DATE	4/20/10
CHECKED:	HMB		6/4/10
ENGR. APPD:	RLG		6/4/10
PROJ. APPD:	JDW		6/4/10
APPROVED:			



TRANSTECTOR

SPECIFICATION DCOD PROTECTOR SERIES

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RIGHTS THERETO

SIZE
A

CAGE
30992

DRAWING NUMBER
1400-681

REV
C

SCALE = N/A

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Outdoor rated DC protectors for 24VDC and 48VDC applications

Part Number	Description
1101-1024	24 VDC outdoor protector 2.5 kA
1101-1025	48 VDC outdoor protector 2.5 kA
1101-1026	24 VDC outdoor protector 5 kA
1101-1027	48 VDC outdoor protector 5 kA

GENERAL DESCRIPTION: The DCOD series of products are SASD based devices that offer non-degrading, silicon protection for DC power supplies up to 25 amps. The DCOD series is offered in an outdoor NEMA 3R rated plastic enclosure. The DCOD series offers + to -, + to ground and - to ground protection. Remote annunciation is provided via form-c contacts rated at 2 amps.

1. ELECTRICAL FEATURES:

- 1.1. Protected Modes DC + to DC -, DC+ to Ground, DC- to Ground
- 1.2. 24 Volt versions (1101-1024 and 1101-1026)
 - 1.2.1. Nominal Service Voltages:.....24 VDC
 - 1.2.2. MCOV 44 VDC
 - 1.2.3. Maximum Line Current25 Amps
 - 1.2.4. Nominal Discharge Current
 - 1.2.4.1. 2.5 kA version (1101-1024, 1025)2.5 kA per protection mode
 - 1.2.4.2. . 5 kA version (1101-1026, 1027)5 kA per protection mode
 - 1.2.5. Voltage Protection Level with 500 Amp 8/20 μ s waveform
 - 1.2.5.1. 48 Vdc.....100V
 - 1.2.5.2. 24 Vdc.....50V
- 1.3. 48 Volt versions (1101-1025 and 1101-1027)
 - 1.3.1. Nominal Service Voltages:.....48 VDC
 - 1.3.2. MCOV: 88 VDC
 - 1.3.3. Maximum Line Current25 Amps
 - 1.3.4. Nominal Discharge Current
 - 1.3.4.1. 2.5 kA version (1101-1025)2.5 kA per protection mode
 - 1.3.4.2. . 5 kA version (1101-1027).....5 kA per protection mode
- 1.4. Response Time5 nanoseconds

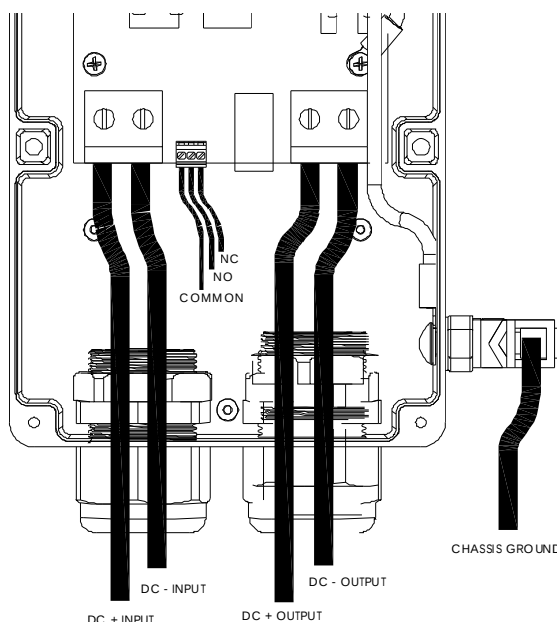


Figure 1. Wiring Diagram



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2. ENVIRONMENTAL:
 - 2.1. Enclosure RatingDesigned to meet NEMA 3R or IP-55
 - 2.2. Storage Temperature:-40°C to +85°C
 - 2.3. Operating Temperature:.....-40°C to +85°C
 - 2.4. Flame Rating UL 94-V5
3. MECHANICAL (refer to Figure 2):
 - 3.1. Installation Instruction Document Number 1200-350
 - 3.2. DC Power Input/Output Connections Screw Terminal
 - 3.2.1. Wire Range:..... #20 to #6 AWG
 - 3.2.2. Terminal Torque:..... 10 lb-in
 - 3.3. Remote Indication:3 pin NO/C contacts
 - 3.3.1. Remote contact wire range:..... #16 to #30 AWG
 - 3.3.2. Remote contact current rating 2 Amps
 - 3.4. Ground Connection External Compression Lug
 - 3.4.1. Wire Range..... #4-14 AWG
 - 3.5. Enclosure
 - 3.5.1. Dimensions:2.5"H x 5.87" W x 7.19" D (63.5mm x 149.22mm x 182.57mm)
 - 3.5.2. Mounting:..... #8 screws 4" centers (see Figure 2)
 - 3.5.3. Pole Mount Adapter Model 1000-1164
 - 3.5.4. DC Power Cable Strain Reliefs Accepts cable diameters of .450" to .705"



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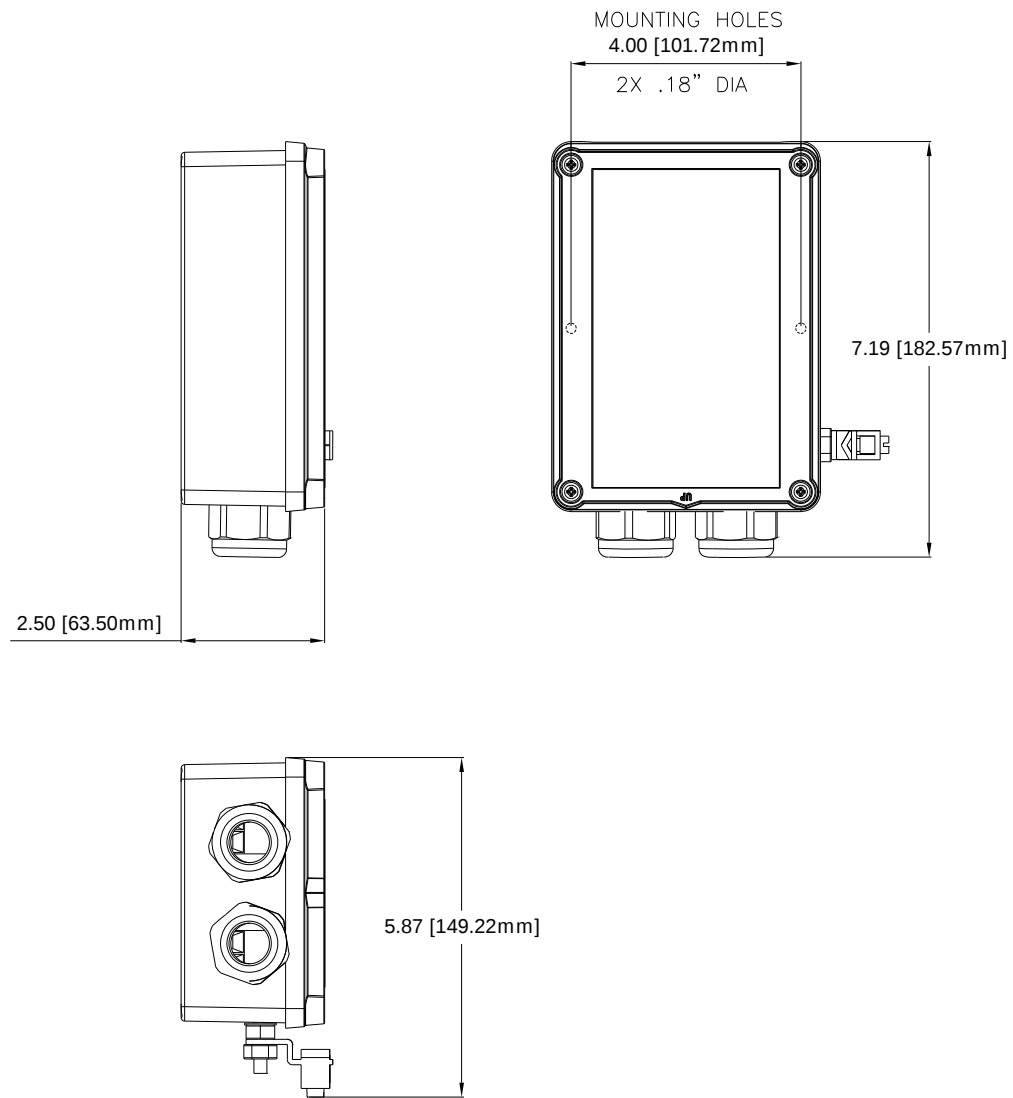


Figure 2. Mechanical Outline Drawing



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