



DC-PRO

12V, 24V, 48V, 120V & 200V DC Transient Voltage Surge Suppressor

APPLICATION: The DC-Pro Series of power surge protection devices is specifically designed for small DC distribution panels. These compact and durable devices offer cost effective, versatile, high capacity surge protection.

Features

- ◆ DC application
- ◆ Straightforward and simple installation—surface mounting
- ◆ Optional LED status indication via solid state diagnostics plus optional remote indication contacts
- ◆ Thermal and Short Circuit Fusing
- ◆ Ten Year Warranty
- ◆ Made in USA

Specifications

All figures typical at 77°F (25°C) unless otherwise stated

Maximum Surge Current: See specification table for details

Lines Protected DC: V+ to V-, V+ to E, V- E

Duty Cycle Performance (8/20µs): 10,000A >4,000 impulses
100A infinite

Response Time: <5ns

Ambient Temperature Limits: -40°F to 185°F (-40°C to +85°C)—working

Humidity: 95% RH (non-condensing)

Enclosure: NEMA 1, 2, 3

Terminals: #14 AWG to #2 AWG

Mounting: Surface mount by four 0.17" (4mm) diameter holes ½"

Remote Contacts (Optional): C, NO, NC rated 60W DC or 120VA AC, 3A max.

Indication (Optional): Green LED ON: Protection present
Green LED OFF: Internal failure or no power
Red LED ON: Internal failure

Weight: 2.1 lbs. (0.94Kg)

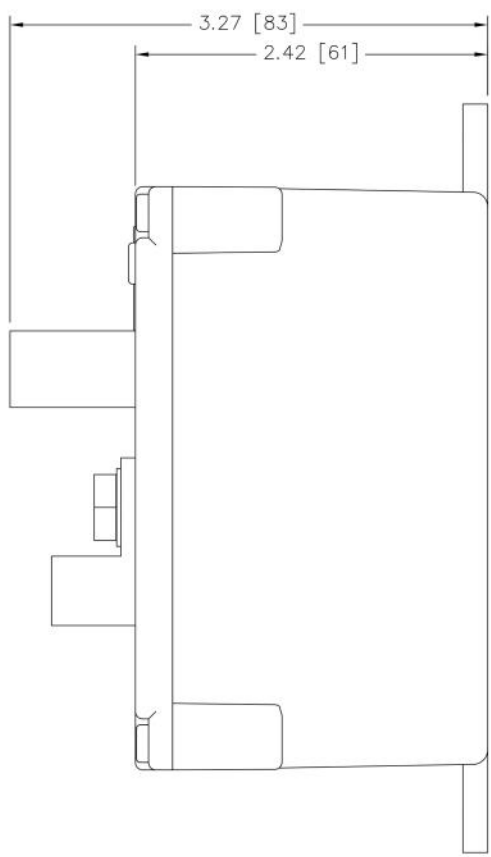
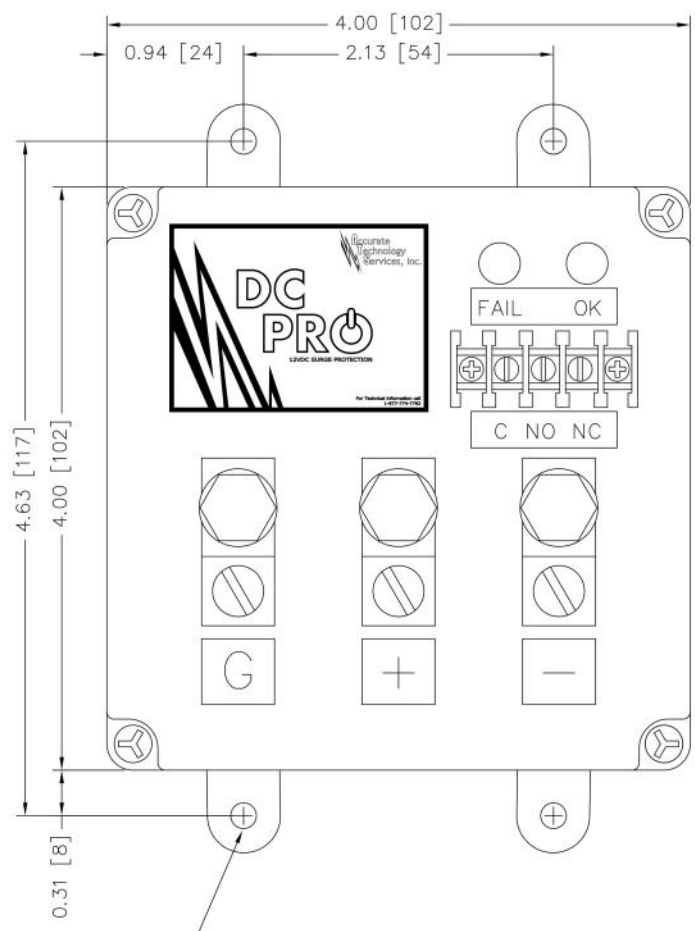
Dimensions: 4" x 4" x 3.27" (10.6cm x 10.6cm x 8.3cm)

EMC Compliance: BS EN 60950: 1992; BS EN 61000-6-2: 1999

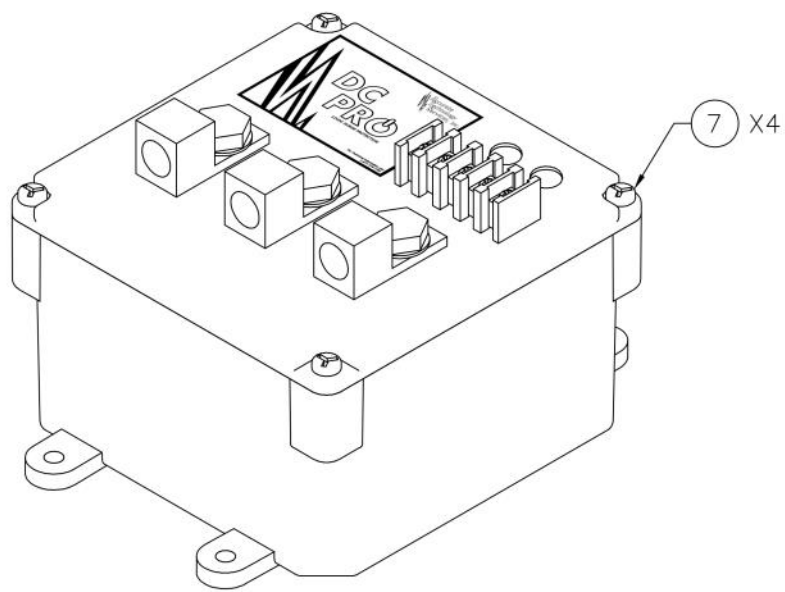


Model	LEDs?	Relay?	Working Voltage	Maximum Continuous Operating Voltage	Limiting Voltage		Max. Surge Current
					@3kA †	@10kA (in) †	
AT89612	No	No	12VDC	18VDC	120	240	15kA
AT89624	No	No	24VDC	32VDC	190	292	36kA
AT89648	No	No	48VDC	56VDC	280	504	53kA
AT89712	Yes	No	12VDC	18VDC	120	240	15kA
AT89724	Yes	No	24VDC	32VDC	190	292	36kA
AT89748	Yes	No	48VDC	56VDC	280	504	53kA
AT89812	No	Yes	12VDC	18VDC	120	240	15kA
AT89824	No	Yes	24VDC	32VDC	190	292	36kA
AT89848	No	Yes	48VDC	56VDC	280	504	53kA
AT89912	Yes	Yes	12VDC	18VDC	120	240	15kA
AT89924	Yes	Yes	24VDC	32VDC	190	292	36kA
AT89948	Yes	Yes	48VDC	56VDC	280	504	53kA
AT89675	No	No	120VDC	140VDC	600V	900V	80kA
AT89675	No	No	200VDC	230VDC	850V	1050V	80kA

† 8/20µs waveform—tested as per ANSI/IEEE C62.45 and ANSI/IEEE C62.41



Ø.17 MOUNTING HOLE
4 PLCS



	DO NOT SCALE DRAWING	DR	DATE	ATS ACCURATE TECHNOLOGY SERVICES INC.	
	FOR INTERPRETATION OF DRAWING MIL-STD-100 APPLIES	CHK		TITLE	
	REMOVE BURRS AND BREAK SHARP EDGES	ENGR		OUTLINE DRAWING,	
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPD		12VDC SPD W/LED & TERMINAL BLOCK	
	ONE PLACE(.X) ± 0.1	CONTR NO.		SIZE	CAGEC
	TWO PLACES(.XX) ± 0.03			49WJ6	
	THREE PLACES(.XXX) ± 0.003	DSGN ACTIVITY APPROVAL		DWG NO.	REV.
APPLICATION	ANGLES ±	APPROVED		AT89912	
FOR INTERPRETATION OF DIMENSIONING AND TOLERANCING SEE ANSI Y 14.5M	MATERIAL			SCALE NONE	WEIGHT
				SHEET 1	OF 1