

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.

Features

- DC applications
- 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

Options

DC Pro devices can be customized with a combination LEDs, Relays and required voltage. The example below shows how to create a part number for a DC Pro with LEDs and a rating of 12 volts DC.

A T 8 9 7 1 2

Series	LEDs & Relay	Voltage
All Styles from the DC Pro Series.	6 = None 7 = LEDs only 8 = Relay only 9 = LEDs & Relay	12 = 12VDC 24 = 24VDC 48 = 48VDC 75 = 120VDC 76 = 200VDC



AT89712
12V DC Pro with Status LEDs

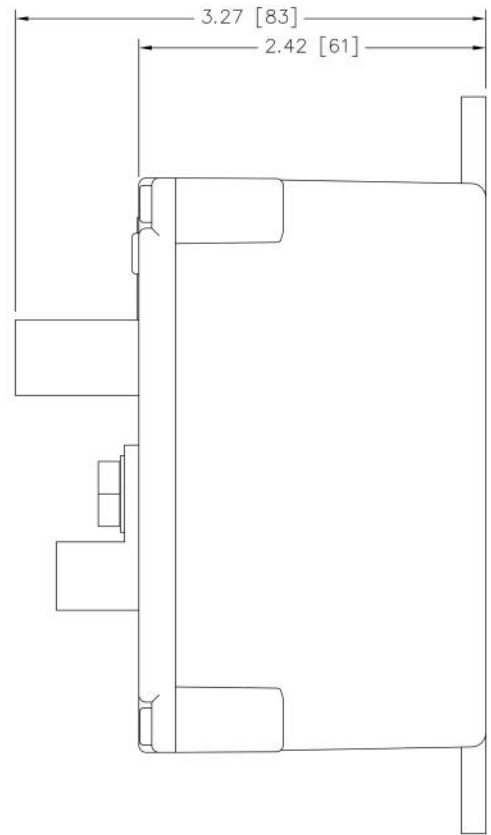
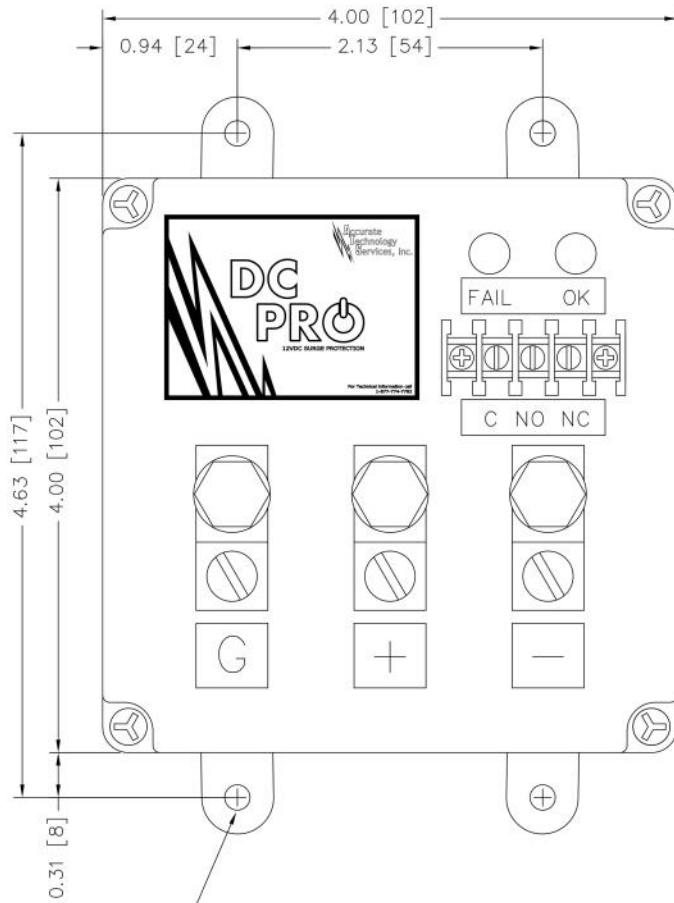
Specifications

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

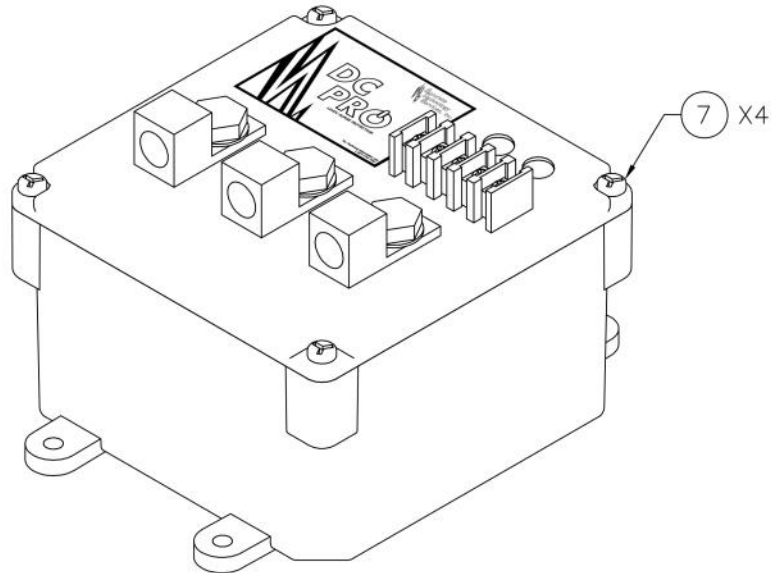
- Maximum Surge Current:** See Specification Table below for details
- Lines Protected DC:** V+ to V-, V+ to E, V-E
- Duty Cycle Performance (8/20µs):** 10,000A >4,000 impulses
100A infinite
- Response Time:** <5ns
- Ambient Temperature Limits:** -40°F to +185°F (-40°C to +85°C)—working
- Humidity:** 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 120VAC, 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+

Working Voltage	MCOV	Limiting Voltage		Max. Surge Current
		@3kA†	@10kA (in)†	
12VDC	18VDC	120	240	15kA
24VDC	32VDC	190	292	36kA
48VDC	56VDC	280	504	53kA
120VDC	140VDC	600V	900V	80kA
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	DSGN ACTIVITY APPROVAL		49WJ6	DWG NO.
	THREE PLACES(.XXX) ± 0.003	APPROVED		AT89912	REV.
APPLICATION	ANGLES ±			SCALE NONE	WEIGHT
FOR INTERPRETATION OF DIMENSIONING AND TOLERANCING SEE ANSI Y 14.5M	MATERIAL			SHEET 1	OF 1