

# Solid State Contactor



Engineered specifically for high current draw applications such as proportioner pumps, FoamPro's solid state DC contactor offers many advantages over mechanical solenoid contactors. Technologically-advanced solid state components are designed to manage in-rush greater than 1,000 amps and over 70 amps continuous current. With zero battery draw in the "off" state, this contactor is a perfect master power disconnect switch. Installation directly in the battery cable, with smaller gauge wires routed to a remote activation switch, makes this an ideal relay for FoamPro's Advanced Feature Controller "Auto-On" function.

Superior performance is delivered by the extremely low "On" resistance. This efficient DC power switch provides minimal voltage drop and generates less internal heat, eliminating the need for external heat sinks. Advanced embedded controller provides overload and circuit protection resulting in longer life and greater reliability.

Packaged in an environmentally-sealed case, it includes four mounting hole pads and a #8-32 phosphor bronze stud connection for remote switching. Connections for the high current DC cables utilize 1/4"-20 threaded phosphor bronze studs with brass contact pads for low contact resistance.

## Features & Benefits:

- Longer life solid state design
- Remote Start/Stop capability
- Overload current limit protection
- Zero standby current draw
- Automatic reset with power cycle
- Environmentally-sealed aluminum housing



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## SPECIFICATIONS

### Superior Performance

Battery Voltage: +10 to +29 VDC

Maximum Current Rating

- Direct Short:  $\geq 1000$  Amp
- Continuous:  $\geq 70$  Amp
- Overload Protection:  $\leq 80$  Amp

Ground Control Input

- On: CHASSIS GROUND
- Off: OPEN
- Activation Current:  $\leq 30$ mA MAX

Activation Time

- On:  $\leq 25$ ms
- Off:  $\leq 2$ ms
- Overload Disconnect:  $\leq 25$ ms (80-250Amp)  
 $\leq 5$ ms(>250Amp)

Contact Resistance

- On:  $\leq 1.0$ m $\Omega$
- Off:  $\geq 250$ K $\Omega$

Operating Temperature

-40 to +160 °F (-40 to 70 °C)

Terminals

- Power: Two (2) 1/4 – 20 threaded phosphor bronze ET-plated studs, brass nuts, phosphor bronze lock washers and rubber terminal boot covers

Ground Control:

- One (1) 8 – 32 threaded phosphor bronze ET-plated studs with brass nuts

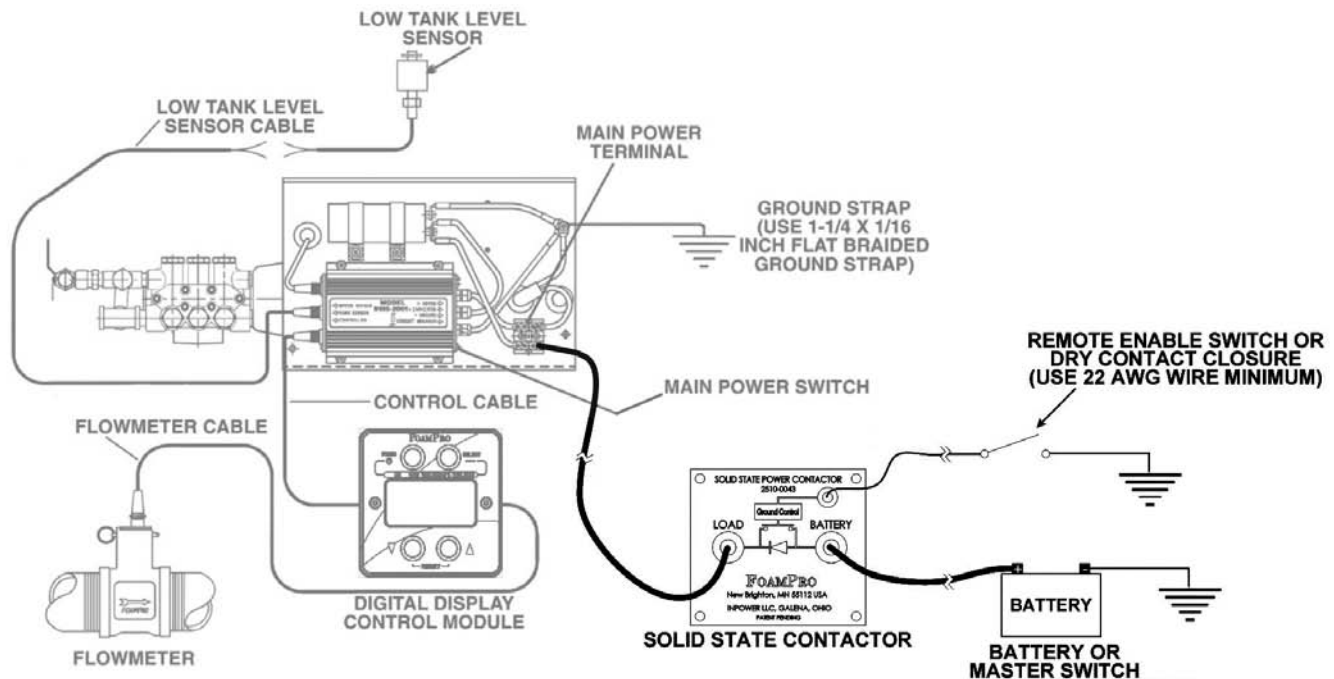
Weight

0.30 lbs. (0.136 kg)

Dimensions

2.5 x 2.5 x 0.33 inches  
(63.5 x 63.5 x 8.4 mm)

### Installation Example



**Pentair Water**

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