



## Why Red Jacket?

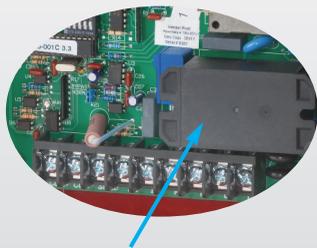
# Red Jacket Isotrol 1-8 Control Box

“Safety is top priority. I need to protect my personnel and my equipment from electrical shorts.”

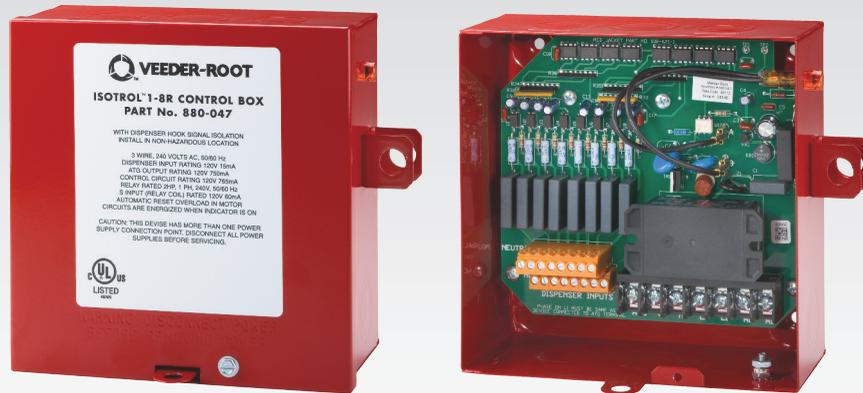
The ISOTROL™ 1-8 Control Box isolates and protects individual dispensers from wiring shorts or phasing issues.

**Problem Solved.**

**ISOTROL 1-8's multiple configurations provide flexibility and control**



ISOTROL 1-8 may be ordered with or without the durable 30-amp power relay. Units without the relay are designed for use with another component for motor control. Units with the relay may “stade-alone” and will accept up to eight individual dispenser signals.



## Red Jacket solutions that enforce safety and compliance.

Red Jacket's Isotrol 1-8 Control Box isolates dispenser handle signals to protect equipment and technicians.

The Red Jacket Isotrol 1-8 Control Box is the most versatile dispenser handle signal isolation system available. The Isotrol 1-8 Control Box isolates handle signals between each dispenser and protects against wiring shorts and phasing issues. Plus it keeps technicians working on site safe from dangerous feedback. The Isotrol 1-8 Control Box is available with or without a built-in relay.

## Safe. Reliable. Proven.

- Isolates the handle signals between each dispenser
- Isolates and protects individual dispensers from wiring shorts or phasing issues
- Isolates and protects technicians from dangerous feedback during service
- Proven reliable with more than 15 years of commercial success

“I need more than just control, I need compliance.”

The ISOTROL™ 1-8 Control Box provides a means to remove all external voltage sources, including feedback, during periods of maintenance and service of the dispensing equipment to meet NEC requirements.

**Problem Solved.**

## Design features that allow for easy installation and interoperability among controllers and motors.

- Dedicated Automatic Tank Gauge (ATG) line leak output and coil for easy compatibility with Pressurized Line Leak Detection (PLLD)
- Terminals are labeled for easy wiring and compatibility
- May be used with all Red Jacket and competitive submersible turbine pumps
- Easily retrofitted to existing locations
- Compliant with NEC requirements for handle isolation

### Did you know?

The ISOTROL™ 1-8 provides electrical isolation between the dispenser pump enable (Hook) signal and the submersible turbine pump control relay. Other energized sources of power can still exist within the dispenser even with this device installed. You should always verify that all sources of power are disconnected before servicing a dispenser. Always follow proper Lockout/Tagout procedures when servicing electrical equipment.

At any time the enclosure must be opened during a troubleshooting procedure, disconnect controller power prior to removal of the cover. This includes the dispenser signal outputs that are powered from separate circuits in the system.



### Specifications

Dimensions:	Type 1 enclosure, 6x6x4 inch
DISP Inputs:	10 mA @120V or 240V 50/60 Hz
Control Circuit:	15 mA @ 120V 50/60 Hz or 240V 50/60 Hz
ATG Output	750 mA @ 120V or 240V 50/60 Hz
Control Relay:	30A DPST 120/240VAC 50/60 Hz
Terminals:	250V 14-28 AWG 10-18 AWG Main

### Four configurations to choose from:

ISOTROL™ 1-8	8 input isolation only control box Use with IQ, standard control box or three phase magnetic starter
ISOTROL™ 1-8-i	240VAC – international equivalent to above unit
ISOTROL™ 1-8R	8 input isolation with 30-amp 2HP motor relay
ISOTROL™ 1-8Ri	240 VAC – international equivalent to above unit

**Accu-Flo** 1-800-921-2228  
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