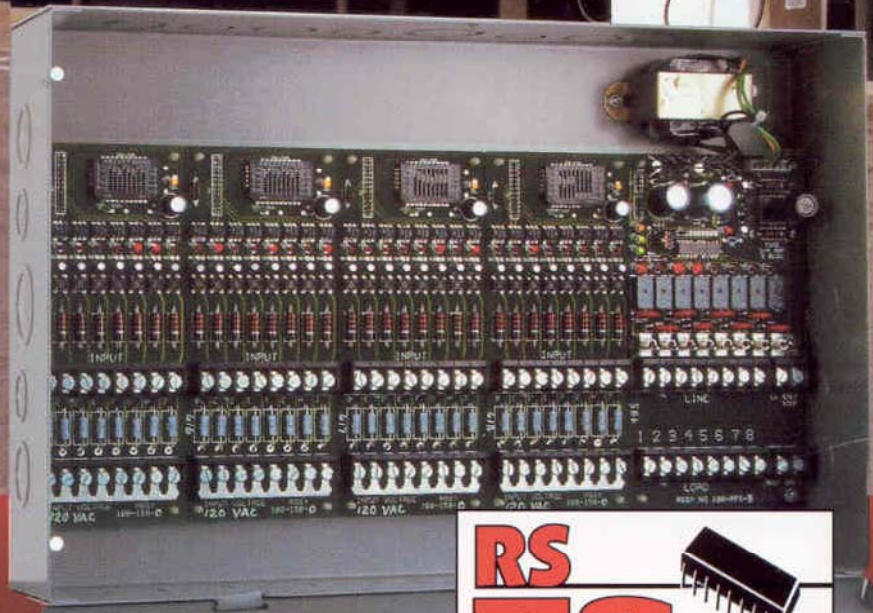


ELIMINATE FEEDBACK COMPLETELY

OPEN THE
DOOR TO
TOTAL SERVICE
SECURITY

INCREASE SAFETY,
SPEED REPAIR TIME!

Isolate AC power in
submersible control wiring...
economically and safely.



R.S. Electronic Controls, Inc.

EDC / Submersible Pump Control Wire Isolation System

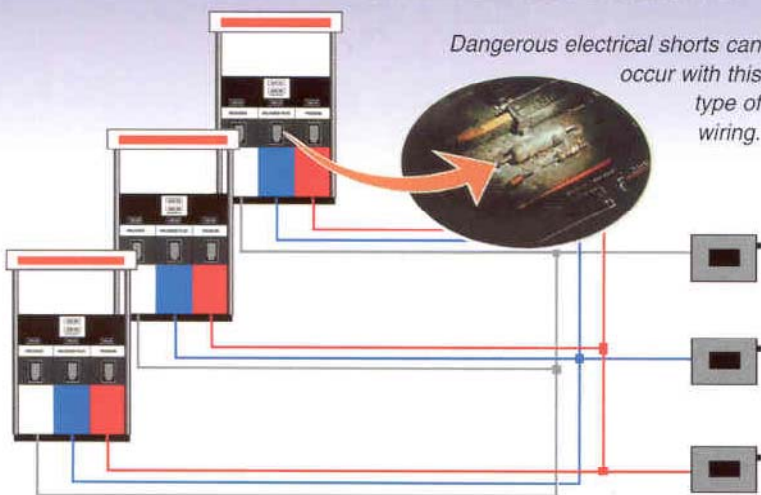
COMPLETELY ISOLATE SUBMERSIBLE CONTROL

WITHOUT EDC INSTALLATION...

DON'T LET THIS HAPPEN TO YOU!

- Bad wiring can create extreme fire hazard during servicing!
- Shorted wiring can blow relay boards in every dispenser.
- Entire station may need to shut down in order to do safe repairs.
- Lockout tagout procedures can not be followed! Electrical codes and safety rules may be violated.

TYPICAL SUBMERSIBLE PUMP CONTROL WIRING



With this method of wiring, AC power will be present on all control wires in dispensers that are "OFF", if any one dispenser of the same product is "ON".

BENEFITS OF THE EDC:

Speeds Installation Time!

The patented EDC (Electronic Device Controller) from RS Electronic Controls has been designed with fewer electrical components...to simplify installation, which saves time and money! (It averages less than 1.5 connections per input as compared to conventional relays which require a minimum of 4 connections each!) Thus, a complete controller for 32 hoses and control wiring for 8 submersible pumps can be wired in just over one hour!

Economical, Cuts Service Time!

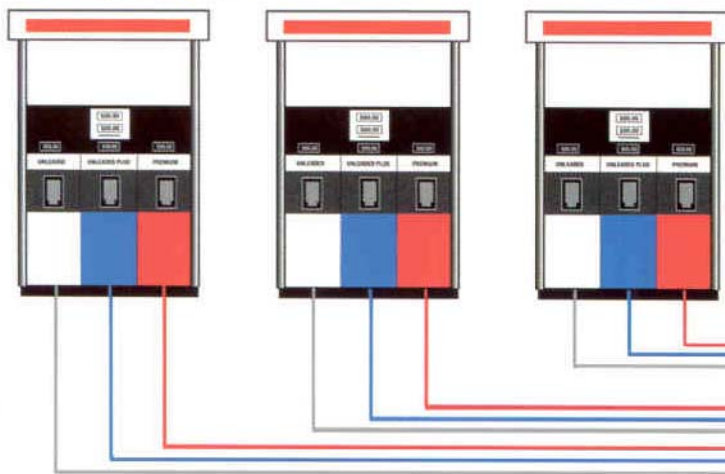
Wiring The EDC is simple, cutting service time to a minimum. The on board LEDs simplify troubleshooting, both with The EDC or any equipment connected to it. And, The EDC eliminates the "rat's nest" of wires and relays found in the back rooms of some service stations...making trouble shooting easier!

Increases Safety, Helps Meet OSHA Regulations!

The EDC solves many of the problems associated with feedback to equipment being serviced. With The EDC, power need be shut off only to the individual dispenser being serviced. it effectively prevents any feedback in the submersible control wiring to the dispenser or card control consoles. If a dispenser is hit, or needs repair, there is **NO FEEDBACK FROM ANY OTHER DISPENSERS.**

SUBMERSIBLE PUMP CONTROL WIRING...

ELIMINATE FEEDBACK COMPLETELY



The EDC (Electronic Device Controller) from RS Electronic Controls economically isolates submersible control wiring between dispensers...safely, automatically, and completely!

WIRING BETWEEN DISPENSERS...AUTOMATICALLY!

Red LED Indicator
Indicates dispenser handle and pump status

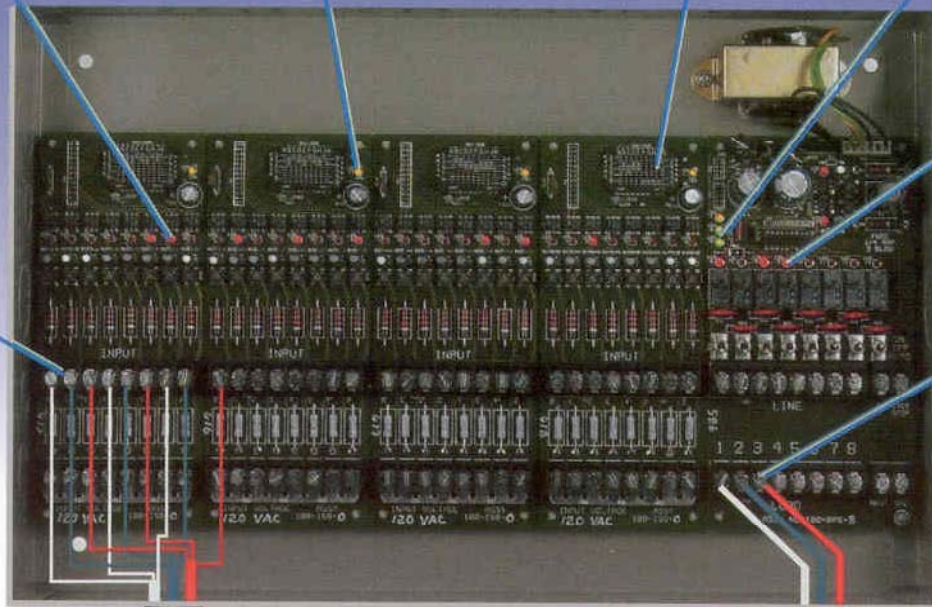
Yellow LED Indicator
Indicates power to the system modules

Switchable Pump selection for each input.
Matrix Switch relates each dispenser to a product.

Green LED Indicator
Indicates "system ready" and internal diagnostics.

Each SUBMERSIBLE CONTROL CIRCUIT is isolated to eliminate feedback.

- Each input module accepts up to 8 submersible control wires from the dispensers.
- One place to terminate each control wire.



Red LED Indicator
Indicates output ready status

4 or 8 Outputs...
To submersible motor relays or Electronic Line Leak Detection Device.

Submersible Control Wiring FROM Dispensers

Wiring TO Electronic Line Leak Detection Equipment or submersible Pump Relays.

Advantages of Installing The EDC:

- Simpler to wire...simpler to service...and costs less than relays!
- Spot problems quickly with visible LED diagnostics in submersible control wiring.
- Simplifies Electronic Line Leak Detection servicing.
- Dispensers can be serviced *one at a time* safely...miswiring can be corrected faster...and safer.
- Simplifies OSHA regulations on lockout tagout procedures. *Rule 55 FR 31984 and 29 CFR 1910.147.*
- Simplifies NFPA 30A paragraph 4-2.9b regarding servicing procedures and NFPA 70 Article 514.13 for wiring.

EDC / Submersible Pump Control Wire Isolation System

Phasing is no problem with The EDC!

If dispensers are on circuit breakers of opposite phase, dispenser circuit boards CAN NOT BE BLOWN OUT when power is turned on.

Compatible with:

The Electronic Device Controller is compatible with most service station dispensers and Electronic Line Leak Detection equipment...as well as ALL submersible pump control boxes.

For Self-Serve AND Full-Serve!

The EDC cuts installation and service time for both non-attended combination Self-serve and Full-serve dispensers...and for Full-serve dispensers without a console.



R.S. Electronic Controls, Inc.

ELIMINATE FEEDBACK COMPLETELY

EDC SPECIFICATIONS

POWER REQUIREMENTS

Power Supply – 120 VAC 50-60 Hz 20 Watts
Controlling Output, each – 120 VAC .020 Amp.
Output Disable – 120 VAC .010 Amp.

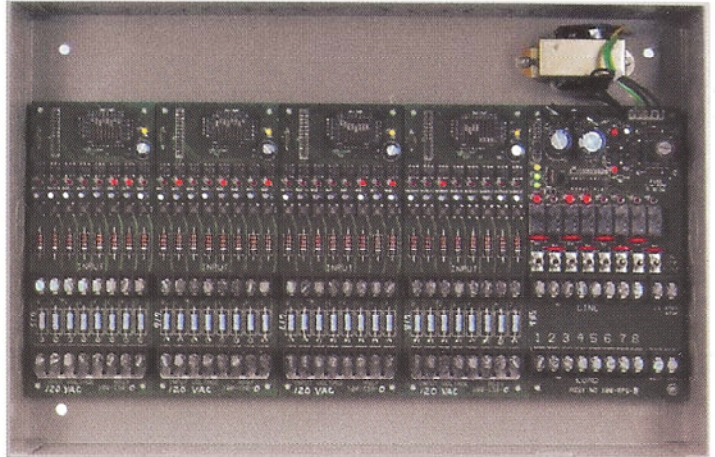
TEMPERATURE

Environmental: +35° F to +125° F

OUTPUT SWITCHING, each

Contacts SPST Form A
125 VA, 120 VAC maximum

MEASUREMENTS	SERIES 101	SERIES 102
Physical Size	12" x 12" x 4"	12" x 18" x 4"
Weight	11 lbs.	15 lbs.
Maximum Inputs	16	32
Maximum Outputs	8	8



Model No. 102-083200

THE FOLLOWING PARAGRAPH HAS BEEN MODIFIED IN THE NFPA 70, 2002 NATIONAL ELECTRIC CODE:

514.13 – Provisions for Maintenance and Service of Dispensing Equipment.

Each dispensing device shall be provided with a means to remove all external voltage sources, including feedback, during periods of maintenance and service of the dispensing equipment. The location of this means shall be permitted to be other than inside or adjacent to the dispensing device.

Our system will *eliminate feedback 24 hours a day* without the use of any other switches or relays for isolation purposes.



UL Listed for Safety

- UL File No. E100900
- Auxiliary Devices, Motor Controller, Pilot Duty
- Meets or exceeds Underwriters Laboratories Standard 508



R.S. Electronic Controls, Inc.

EDC / Submersible Pump Control Wire Isolation System

3800 Jacobs Rd. • Waterford, WI 53185 • Ph 262-514-4610 • Fax 262-514-4611

For more information on the Electronic Device Controller, see our website:

www.rselec.com