

REGENT'S

SR552A9DTM

SR552D9DTM

SENSING RELAYS

Features

- Object or ground sensing with safe (low voltage, low current) sensing circuit.
- Input can be contact, probe or solid-state sensing device.
- Two output poles, independently convertible from normally-open to normally-closed.
- Compact size. DIN rail or panel mount.
- LED status indicator for each output pole.
- Regent's 2 Year Warranty.



Ideal for:

- ▶ Part presence or absence detection
- ▶ Liquid level control
- ▶ Web break detection
- ▶ Position control
- ▶ Feed limit switch
- ▶ Wire break detection
- ▶ Intrinsic safety barrier interface relay

The SR552A9D and SR552D9D sense the closing of external contacts or sensors. They are ideal for monitoring part presence or machine elements in high-speed production and packaging equipment.

An internal power supply provides low voltage sensing to any contact, positioning electrode, limit switch, magnetic reed switch, float switch, proximity sensor, etc. The low-energy sensing circuit increases the life of reed switches and other contacts by eliminating inrush current at turn-on and arcing at turn-off.

Because they respond to a drop in resistance, these relays will respond to the closing of "dirty" contacts: a contact resistance below 25K ohms will energize the relay.

When the SR552A9D or SR552D9D senses a closed contact, its two solid-state output switches energize. Field-proven DC output poles can control industrial loads such as solenoid valves and contactors, or serve as logic inputs to programmable controllers.

FOR MORE INFORMATION CALL 203-732-6200
OR VISIT US ONLINE AT www.regentcontrols.com



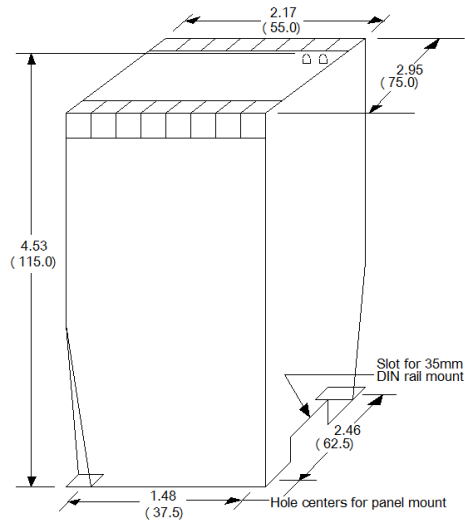
e-mail: sales@regentcontrols.com



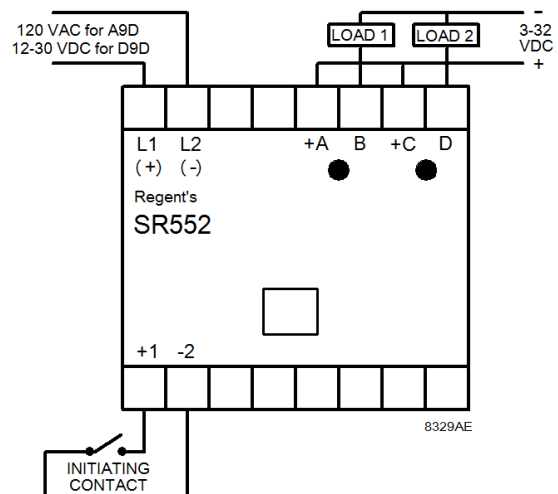
Regent's SR552A9D and SR552D9D

Sensing Relays

DIMENSIONS



WIRING DIAGRAM



NOTES

1. Either output pole can be used to provide a latching function.
2. On the SR552A9D, terminals L2 and -2 are electrically isolated; either or both may be grounded. On the SR552D9D, terminals - and -2 are common and may be grounded.
3. For loads greater than 1 amp, do not parallel solid-state switches. The current will not divide equally and may result in damage.
4. On removal of L1,L2 or +,- voltage, both A,B and C,D open.
5. Reversing DC polarity will not damage these relays, but will prevent proper operation.

SPECIFICATIONS	SR552A9D	SR552D9D
Line Input (L1,L2 or +,-)	120 VAC +/- 20%, 50/60 Hz	12-30 VDC with 5% ripple max
Sensing Input (1,2)		
Open-circuit voltage (typical)	12 VDC	8.5 VDC
Closed-circuit current	less than 1 mA	less than 1 mA
Resistance Sensitivity (typical)	Pull in < 25K ohms; Drop out > 50K ohms	Pull in < 25K ohms; Drop out > 50K ohms
Load Switch (A,B and C,D)		
Rating	3-32 VDC, 1A max, inductive or resistive	3-32 VDC, 1A max, inductive or resistive
Off-state leakage	less than 100 mA	less than 100 mA
On-state voltage drop	1 VDC max	1 VDC max
Minimum load current	< 1 mA	< 1 mA
Response Times	turn-on: <1 msec turn-off: <1 msec	turn-on: <1 msec turn-off: <1 msec
Recommended load fuse	Buss PCB1	Buss PCB1
Temperature	0 to 65°C (32 to 149°F)	0 to 65°C (32 to 149°F)

