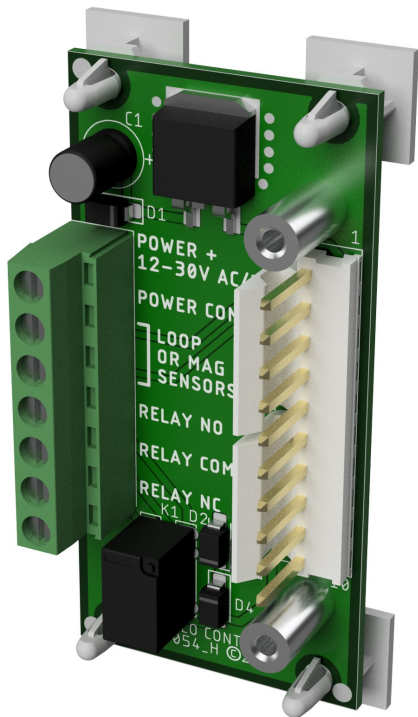


# RK-1R

## Detector Rack with Built-in Relay



Many vehicle detectors are designed to be plugged into a rack including some of the more popular Diablo Controls models. In those installations where a large rack is not available, Diablo Controls has designed a mini rack. The RK-1R is designed to accept a plug-in vehicle detector on one side and accept the appropriate wires through the terminal block on the other. The entire mini rack is supported by four adhesive standoffs that attach anywhere in the cabinet.

*This device is designed for detectors that have a solid-state output but need a single relay output.*

Accepts Diablo Controls models DSP-13, AVI-40, DSP-40, DSP-50, and DSP-55.

### SPECIFICATIONS

- Operating Temperature:** -35°F to 165°F (-37°C to 74°C)
- Operating Voltages:** 10.5 volts to 30 volts AC or DC.
- Output Ratings:** 3 amps @ 125 volts
- Physical Size:** 3.00" (H) x 1.50" (W) x 0.736" (D)  
76.20 mm (H) x 38.10 mm (W) x 18.69 mm (D)

### Features

- ❖ Works with these Diablo Detectors: DSP-40, DSP-50, DSP-55, DSP-13, and AVI-40.
- ❖ Single relay SPDT (Form C) output. A common, Normally Open, and Normally Closed.
- ❖ Includes four self-adhesive mounts.
- ❖ Operates over a wide range of voltages, AC or DC.

#### 10-pin Molex pin out

Pins	Function
1	Loop
2	Loop
3	AC Line or DC + (10V to 30V)
4	No connection
5	No connection
6	No connection
7	No connection
8	Output
9	No connection
10	AC Neutral or DC COM

#### 7-pin terminal block pin out

Pins	Function
1	AC Line or DC + (10V to 30V)
2	AC Neutral or DC COM
3	Loop
4	Loop
5	Output Normally Open (Closes for detect)
6	Output Common
7	Output Normally Closed (Opens for detect)

Visit our Website at [www.diablocontrols.com](http://www.diablocontrols.com) for the most current information on all of our products. Specifications are subject to change.



Veteran Owned & Operated

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