

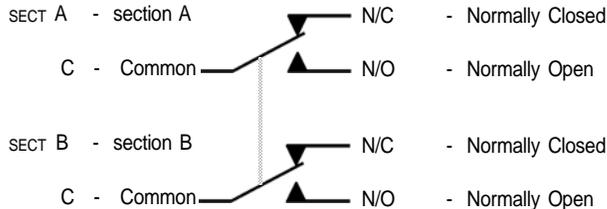
# Relay Board - Inv

(for expansion of Trak-DT family of detectors or for separate use)

Item #569

The RELAY BOARD - Inv consists of a Double Pole Double Throw (DPDT) 12 volt DC relay with appropriate connectors. The RELAY BOARD - Inv serves two functions. It can either be used with 12 volts DC power and a separate trigger line to ground or by connecting to other DALLEE products with the supplied two prong cable. When used with an external 12 volts DC input power and control signal (B.6), proper connections must be followed. This board will invert the signal, when the DT is on this relay is off! With the remote input used, when the control signal is low, the relay is off. The control signal can be merely a switch connected between the ground (B.5) and control input (B.6).

The RELAY maximum ratings are 5 amperes, 250 volts AC. Coil current = 0.04 amps.

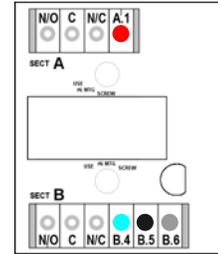


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- N/O - Normally Open
- C - Common
- N/C - Normally Closed

- +12vDC - power input "+" ● A.1
- control input ● B.6
- GND (-) - power input "-" ● B.5
- low current output ● B.4

- SECT A - section A
- SECT B - section B



- | function              | relay position |
|-----------------------|----------------|
| B.6 hi (to A.1) ..... | C→N/O          |
| B.6 low (open).....   | C→N/C          |

Power is required to A.1 and B.5. This must be the same that is powering the Trak-DT unit as is operating this board. Wire B.5 to the 12VPS or Trak-DTx's "-" and A.1 to the red "EXP" wire coming from the Trak-DTx units "EXP" connector.

Use the supplied wire harness for connecting to Trak-DT type unit or wire to 12 volt DC source for proper operation. The red and gray 2 pin connector wires go to the marked red and gray barrier strip connections.

B.4 may be used to power another 555 expansion relay or indicating LED. Connect to A.1 and B.4. Use a 1k limiting resistor with an LED. LED (-) to B.4, resistor to A1. Other resistor end to LED (+).

Install wires by stripping insulation back 3/16", place wire in hole, run screw down (clockwise) to clamp in position. Fold smaller gauge wire for proper clamping.