

# TRAK-DT

Item #365

The TRAK-DT is equipped with a Double Pole Double Throw (DPDT) relay capable of carrying 5 amperes of current on each pole. One pole is located with the "+" DC input power strip, the other is with the "-" DC input power strip.

- N/O - NORMALLY OPEN - connects to the COMMON ("C") when current is flowing to the SIGNALED SECTION
- C - COMMON - meaning it connects to either the NORMALLY CLOSED or NORMALLY OPEN, depending on the TRAK-DT being activated or not.
- N/C - NORMALLY CLOSED - connects to the COMMON ("C") when current is not flowing to the SIGNALED SECTION

DC input power must come from a regulated 12 volt DC power source, any other input can damage the TRAK-DT. You MUST connect the "+" and "-" terminals correctly. It is best advised to do your connections before applying any power to either your track or accessories.

The EXPANSION CONNECTOR is designed to take the expansion board #555. By connecting the expansion board you double the number of contacts available for block occupancy indications. One example of this is when three aspect signals and power routing is desired using one TRAK-DT. If an LED indicator is desired: connect the anode to the "+", connect the cathode to a 1k resistor, then connect the other end of the resistor to the "-" of the expansion connector. When connecting multiple TRAK-DT's with LED panel mount indicators, you may find it easier to connect all of the LED anodes to the "+" of the 12VPS thus requiring only one wire connecting from the resistor to the TRAK-DT. This will slightly reduce the total number of devices that the 12VPS can power. Current consumption is additive. Each Trak-DT consumes approximately 5 milliamps at idle, 45 milliamps activated.

For more in depth wiring please reference our Model Railroaders Wiring Guide.

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# DETECTOR

CURRENT SENSING

