

# TRAK-DTT

Item #565

The TRAK-DTT 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. The TRAK-DTT is equipped with two time functions:

**DTT - Detector TIMER mode (jumper "OFF").** When current flow is sensed in the detection coil, the relay is activated for a time period (user adjustable) and then relaxes. Once current flow has ceased for a few seconds the time circuit resets and can then be reactivated. This setting is useful when doing timed station stops, automatic switch machine (coil type) operation, etc..

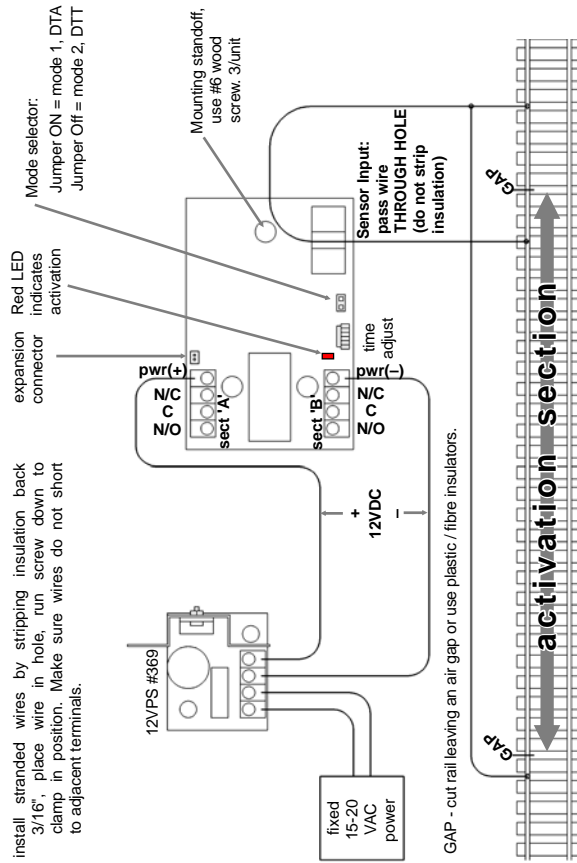
**DTA - Detector TIME ADJUSTABLE mode (jumper "ON").** As with the TRAK-DT, when current flow is sensed in the detection coil, the relay is activated. However, with the TRAK-DTT in this mode, the relay is held activated for an adjustable time period after current ceases to flow. In other words the TRAK-DTT activates for the duration of current flow PLUS the adjustable time period. This setting is normally used as a "short block" detector.

The EXPANSION CONNECTOR is designed to take the expansion board (Item #555). By connecting the expansion board you double the number of contacts available for block occupancy indications.

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

DC input power must come from a regulated 12 volt DC power source (such as our 12VPS #369), any other input can damage the TRAK-DTT. 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. Improper connections or power source voids any warranty expressed or implied at our discretion. Each Trak-DTT consumes approximately 5 milliamps at idle, 45 milliamps activated (RED LED on).

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## Timed Station Stops using the TRAK-DTT

Two station stops are shown. More can be added by merely placing gap's in the track and connecting the wire from the shown stops to the additional stops. There must be at least a few seconds of run time between the last detected car and the next stop detection zone. Don't forget to jump the power to the run sections as they will be dead without them.

For 3 rail track, the center rail would be the inside rail as drawn. E-Unit's must be locked in the forward direction and set for start in forward.

