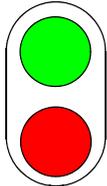


Twin Coil Switch Motor latching relay and Two Aspect Signal operation



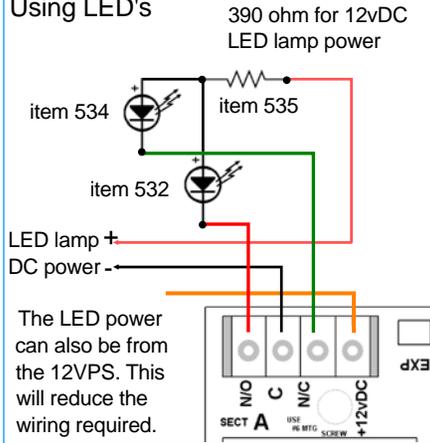
Switch direction, Red / Green, indication and power routing can be accomplished with one Trak-DTRL with momentary twin coil switch activation.

When using the Trak-DTRL, the signal will set to RED whenever current is being drawn in the red switch machine coil wire. This is whenever the switch machine's turn coil is activated (red wire).

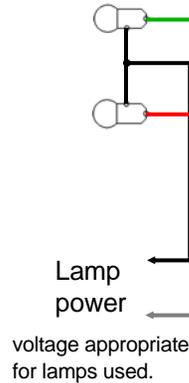
The signal will change to Green whenever the switch power to the straight coil is activated (shown as a green wire).

The Trak-DTRL will remember the setting, position, between power being turned off and back onto the layout! Of course, if the switch is manually thrown, the Trak-DTRL cannot sense that change so it's best to make sure to always use the remote control to operate the switch machine or to throw it to whichever position it has been manually operated to.

Using LED's



Using lamps

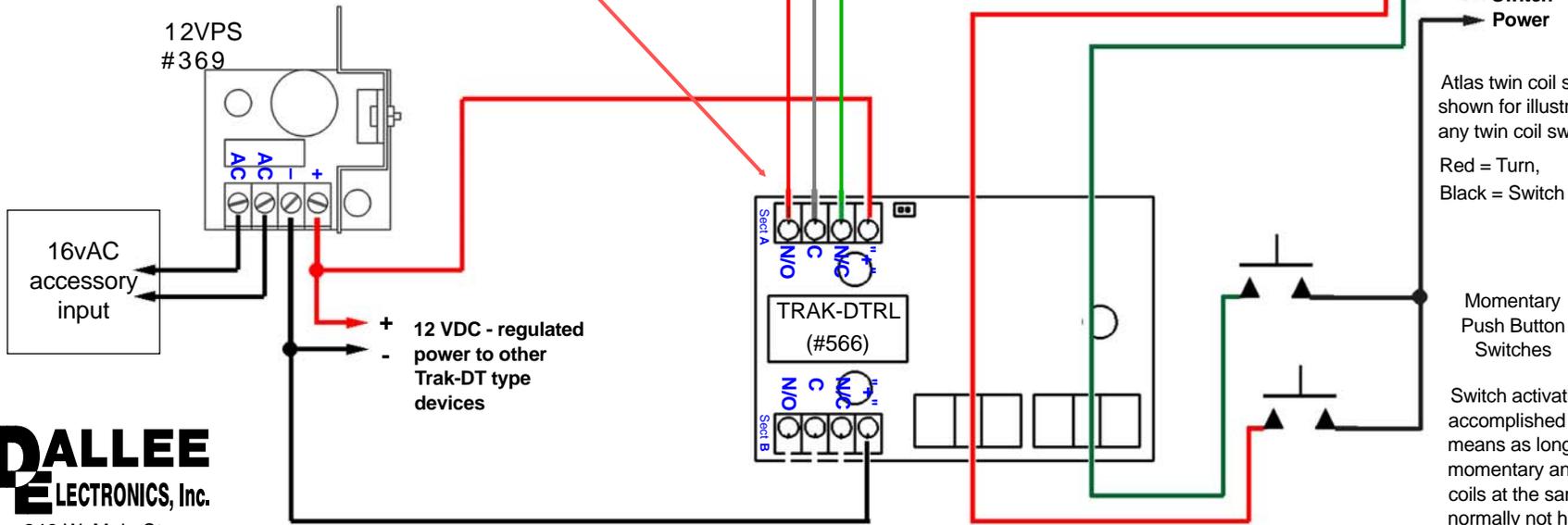


Signal power is shown separately since it can be from any source and needs to be appropriate for the signal utilized.

For 1.5 volt lamp applications, use item #378 for a good regulated low voltage power supply. This unit can be powered from the same power that is used for the 12VPS, item #369.

LED's can also utilize one resistor on each LED's cathode instead of a single resistor for both on the anode side (as shown). To do this the common "+" power goes to the common and the resistor goes to each cathode of the LED. This way you can fine tune the brightness of each LED. If both resistors are the same, then there is no point in using two separate resistors.

The lower relay section of the Trak-DTRL can be used to power route your switch machine so that you can control power to an insulated section before the switch to prevent the train from proceeding.



Atlas twin coil switch machine shown for illustration. You can use any twin coil switch machine.

Red = Turn, Green = Straight, Black = Switch machine common.

Momentary Push Button Switches

Switch activation can also be accomplished by other remote means as long as the activation is momentary and not both switch coils at the same time (which would normally not happen, otherwise the switch will not throw).

wires pass through hole in sense coil (DO NOT strip insulation!)