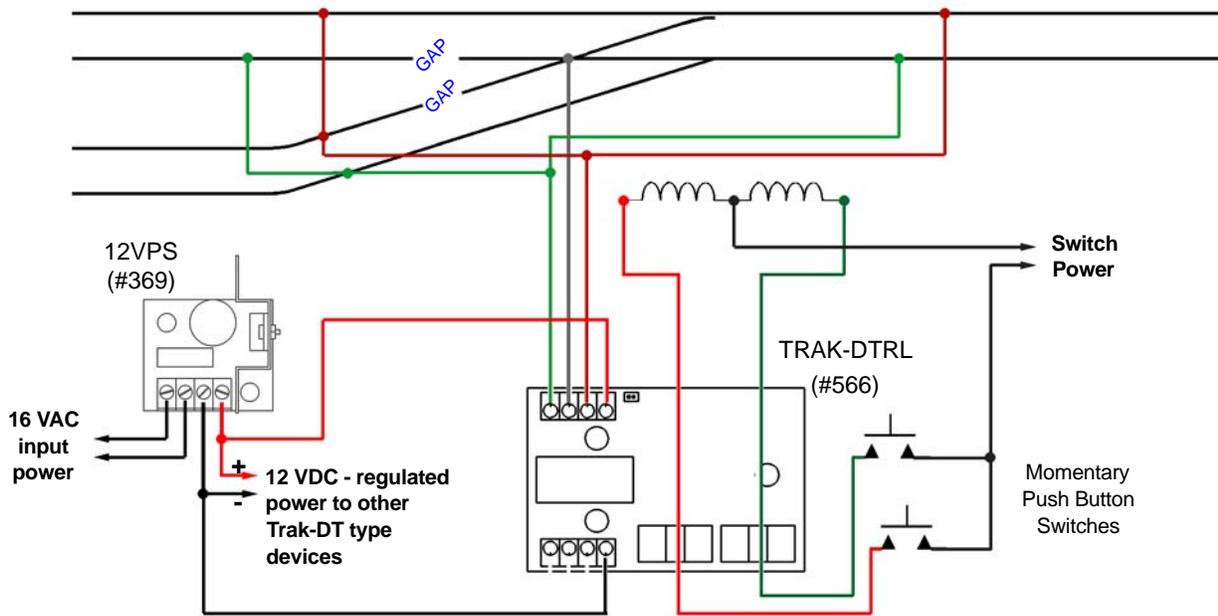
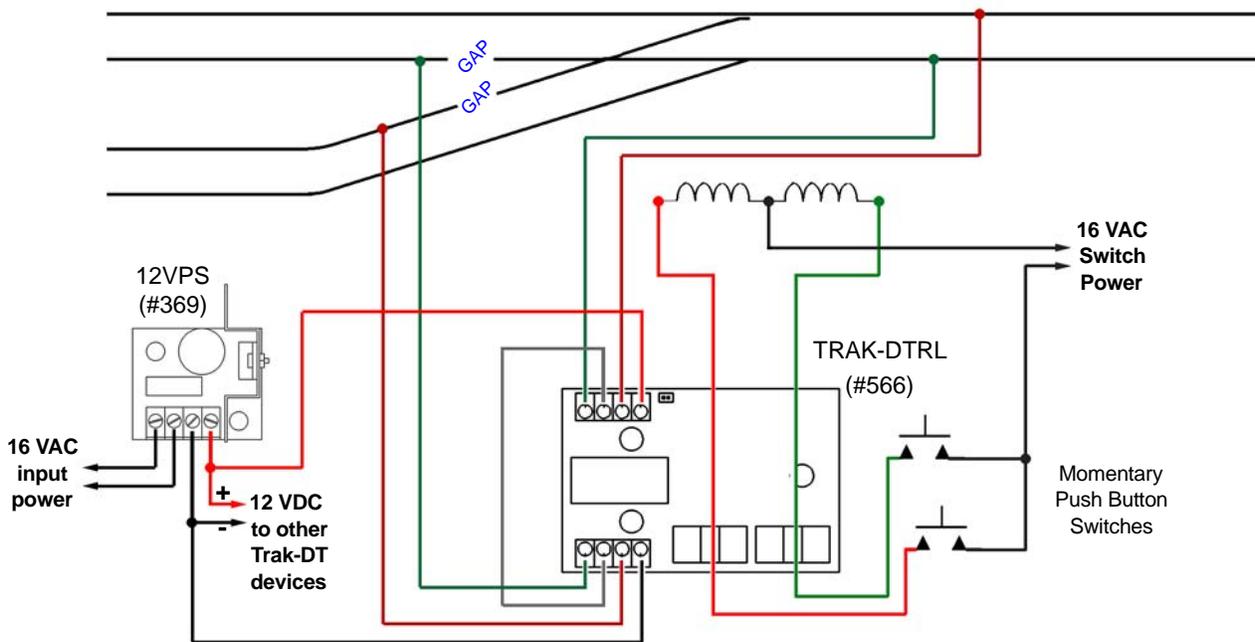


Powering a Switch Frog using a Trak-DTRL



Powering a Switch Frog and Incoming track using a Trak-DTRL



For both drawings:

Upon first initialization, make sure the track switch has to be in the correct direction with the Trak-DTRL. Therefore, the pushbutton switch to throw the switch should be pressed at least once to establish correct settings. Once established you should never reverse the track switch unless except by use of the push button switches with power supplied. Otherwise, they will get out of sync. Since the Trak-DTRL maintains polarity the power will always start in the correct direction from the previous operating session. The same drawing can be used for a left or right hand switch. You can also parallel up two switches with one Trak-DTRL that operate in conjunction with each other. While not shown, panel lamps/LED's can easily be wired to the relay contacts.

Wiring convention:

Green = Straight, Red = Turn.

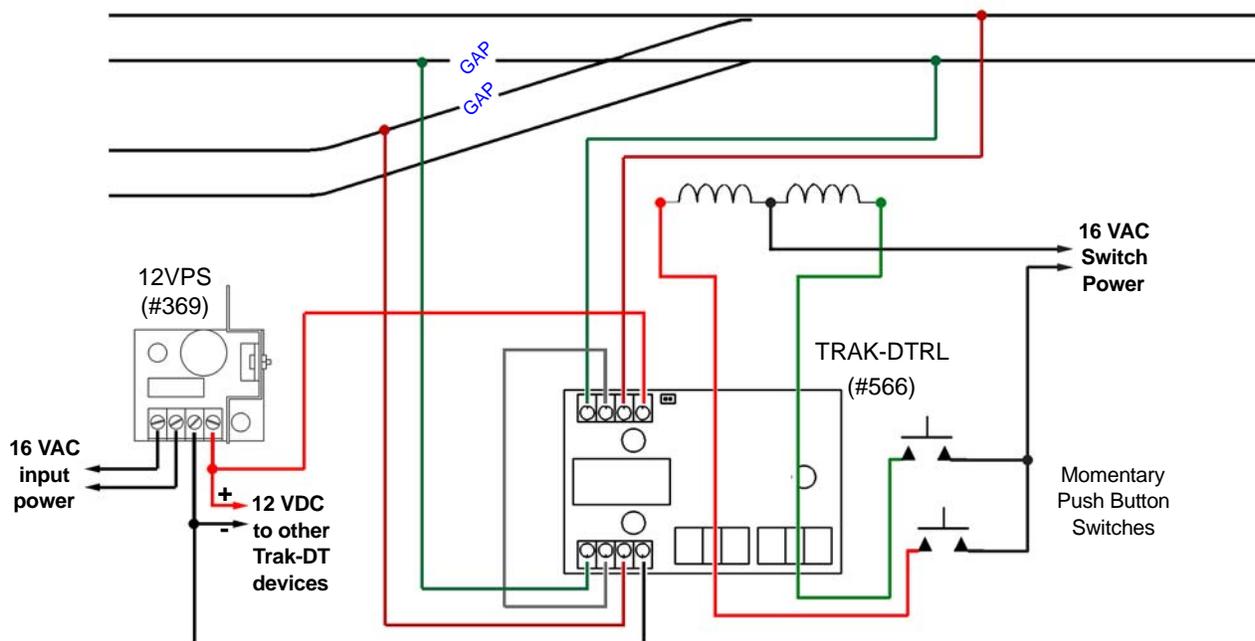
GAP - air space between rails, a plastic insulator may be used.

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American S Gauge Switch power routing using a Trak-DTRL

For 2 train operation as per original American Flyer switches.



Momentary Push Button Switches can be either separate panel switches or use the Switch Controller supplied with the switches.

Upon first initialization, make sure the track switch has to be in the correct direction with the Trak-DTRL. Therefore, the pushbutton switch to throw the switch should be pressed at least once to establish correct settings. Once established you should never reverse the track switch unless except by use of the push button switches with power supplied. Otherwise, they will get out of sync. Since the Trak-DTRL maintains polarity the power will always start in the correct direction from the previous operating session. The same drawing can be used for a left or right hand switch. You can also parallel up two switches with one Trak-DTRL that operate in conjunction with each other. While not shown, panel lamps/LED's can easily be wired to the relay contacts. Use separate power transformers for the 12VPS and Switch Power.

You can also create a momentary power source for all your switches by utilizing one Trak-DTT, item 565, and Ballast Lamp Assembly, item 538. This will prevent any switch coil burnout by insuring momentary power to the switch machines at all times. An excellent power source for the switch machines is our 16vAC, 40watt transformer, item 690.

Wiring convention:

Green = Straight, Red = Turn.

GAP - air space between rails, a plastic insulator may be used.

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