

Remote Controlled Engine Fast Idle Circuit

Latching circuit toggles the engine fast idle controller on/off from a remote switch.

Product Information

InPower Model: VCM-01 Alternating Latching Solid State Relay, 12 volt

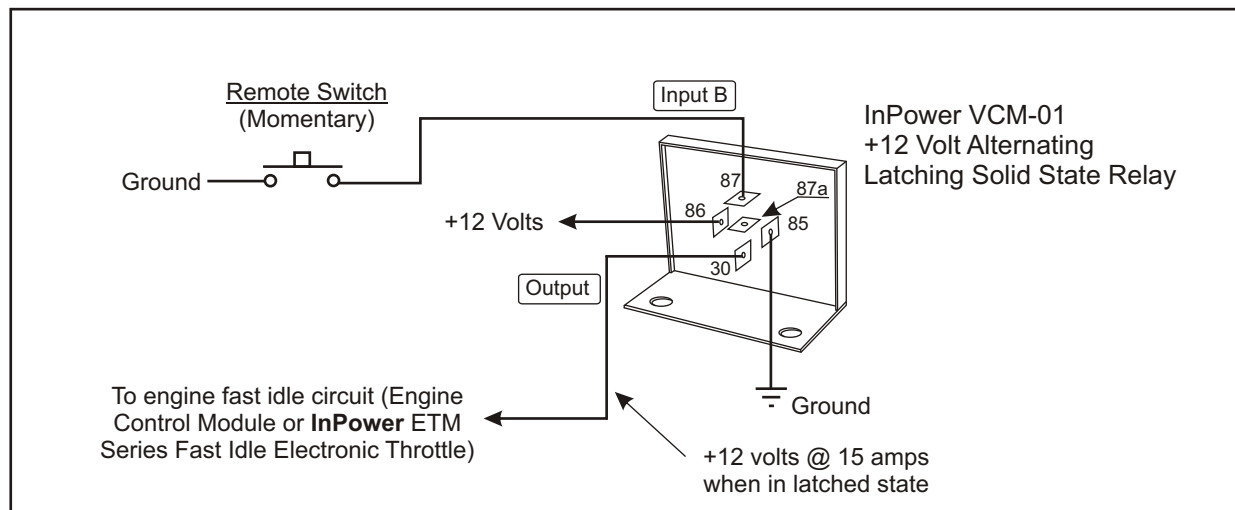
Description: The VCM-01 module contains two inputs, one actuated by a transition to +12 volts and one actuated by a transition to ground. The module's output will toggle to the opposite state when +12 volts is applied to Input A while Input B is open, or when ground is applied to Input B while Input A is open. The module's output is +12 volts @ 15 amps when in the latched state. Upon power up the output is in the unlatched state.

Documentation: Product Data Sheet PDS-58

Operation

Operating the remote switch the first time will cause the VCM-01 module to set its output to the latched state (output terminal 30 at +12 volts). When set, the output will activate the engine fast idle circuit. Operating the remote switch a second time will reset the VCM-01 output to the unlatched state (no power on terminal 30). When powering up (+12 volts in terminal 86) the VCM-01 module will be in the un-latched state (no power on terminal 30).

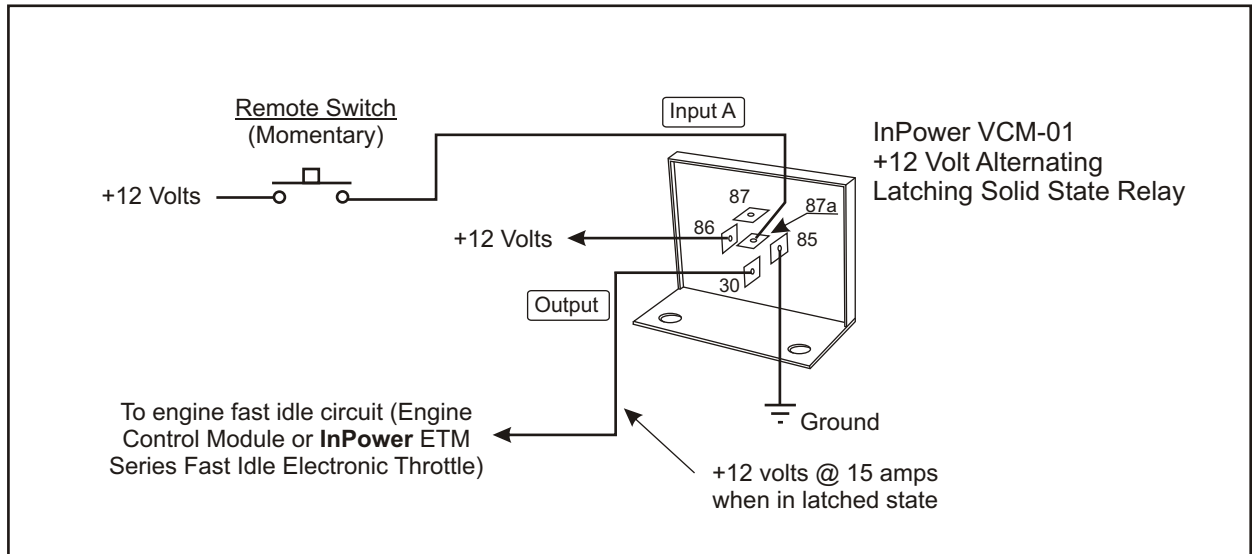
Application Wiring Diagram 1 - (Remote switch connected to ground)



VCM Series

Application Bulletin

Wiring Diagram 2 (Remote switch connected to +12 volts)



Wiring Diagram 3 (Two remote switches, connected to +12 volts and to ground)

