



VCM-10 Dual Input Solid State Relay

InPower's VCM Series *Vehicle Control Modules* are a set of "tools" for the designers of vehicle electrical control systems. These solid state modules are designed to withstand the environments typically found on trucks, emergency vehicles, buses, coaches and speciality vehicles, and are available in a variety of standard and custom configurations and functions.

Technical Description

The InPower VCM-01 is a completely solid state relay with a single +12 volt @ 15 amp output. The module has two inputs, one actuated by a transition to +12 volts (Input A) and one actuated by a transition to ground (0 volts). The output is activated when either Input A or Input B is activated.

The output is rated at +12 volts @ 15 amps and provides over current and short circuit shut down protection.

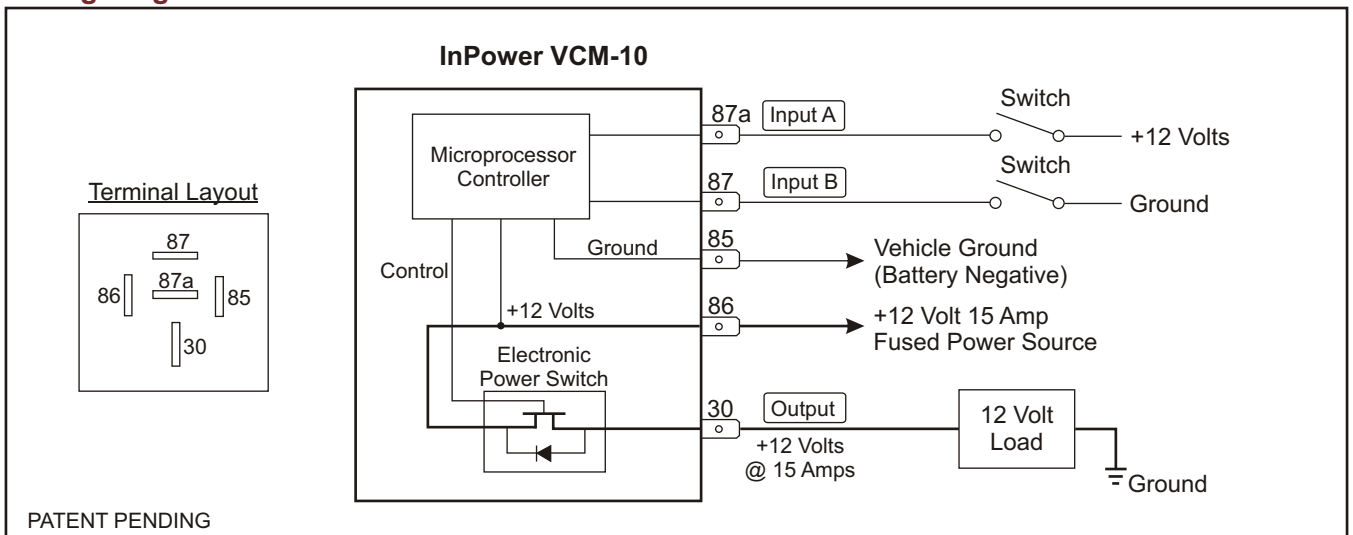
Key Features

- 100% Solid State Construction
- Standard Automotive Relay Pin Format
- 12 Volt 15 Amp Solid State Output
- Compact Size with Panel-Mount Bracket
- Dual Inputs - Ground and +12 Volt
- Durable Metal Case

Ordering Guide

Model	Description
VCM-10	Dual input solid state relay with +12 volt @ 15 amp output.

Wiring Diagram



VCM-10 Dual Input Solid State Relay

Specifications

Power Input (86):	+8 to 16 Vdc @ 15 amps
Ground (85):	Connection to vehicle ground (Battery Negative)
Input A (87a):	External contact closure to +12 volts
Input B (87):	External contact closure to ground
Module Output (30):	+12 volts @ 15 amps in latched state

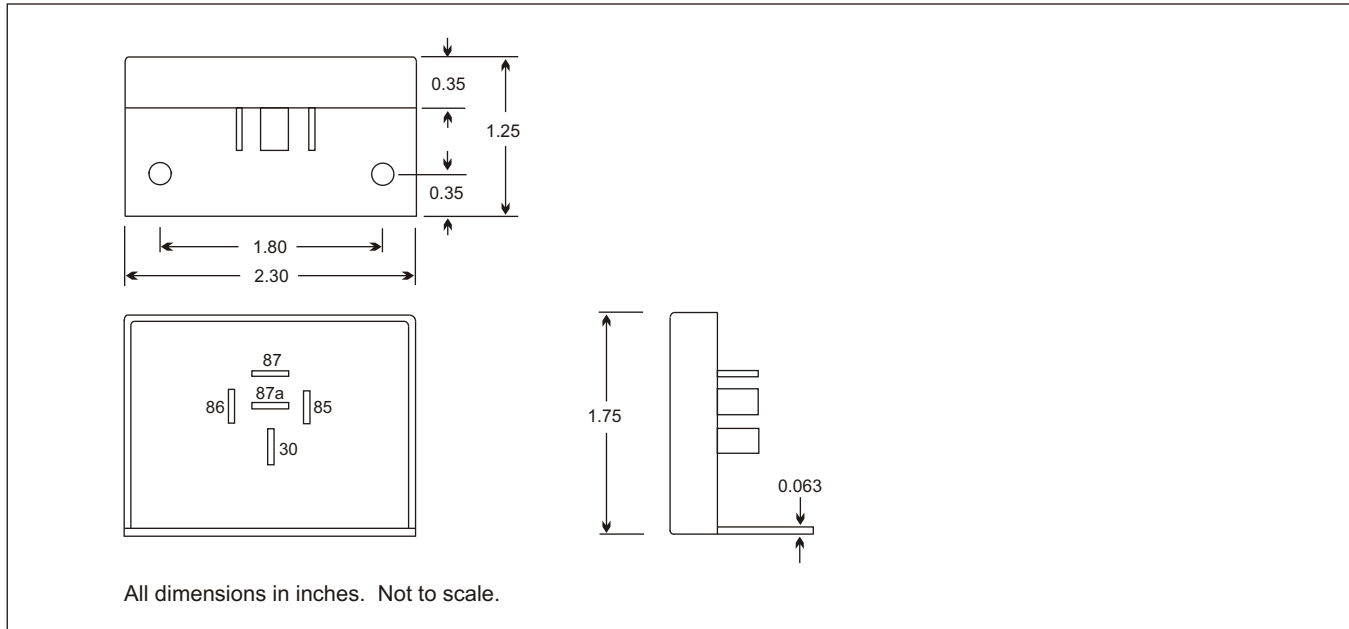
Mechanical

Weight:	0.10 lbs.
Operating Temperature:	-40° C to +85° C
Dimensions:	1.75" H x 2.30" W x 1.25" D

Installation

1. We recommend that the module be installed by a person trained and skilled in vehicle electrical systems. The installation should comply with SAE (Society of Automotive Engineers) and the vehicle manufacturer's electrical wiring procedures (e.g., Ford, General Motors, etc.).
2. The module should be installed on the inside of the vehicle in a dry and protected environment.
3. For optimum power output performance the product should be mounted to a metal surface.
4. Do not connect loads to the output that will exceed the output current rating of the module.
5. The 12 volt power input (86) must be from a properly fused +12 volt power source.
6. Wiring must be of the proper gage and type to handle the intended load currents.
7. We recommend the use of insulated 1/4 inch female blade terminals that connect to the terminals on the module. **Do not solder wires directly to the module terminals.** Be sure to properly crimp these terminals.
8. If you are experiencing problems with the installation or need troubleshooting assistance, contact InPower Customer Service at 740-548-0965.

Outline Drawing



InPOWER LLC
3555 Africa Road
Galena, Ohio 43021
Tel 740-548-0965
Fax 740-548-2302
www.InPowerDirect.com

Offered by: