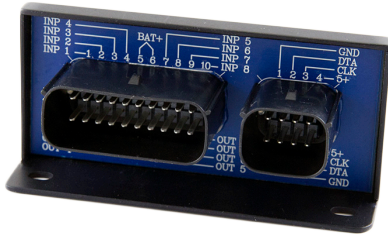


# VCMS2-GM1 VCMS2-GM1-CTRL1

## 8 Input/ 8 Ground Output Module With Molex Connectors



### Technical Description

The Model VCMS2-GM1 Ground Output Module is a component of the InPower's second generation Vehicle Control Module System (VCMS2), a modular, programmable switch panel system used for controlling 12 volt auxiliary devices on vehicles. The system can be configured for a wide range of applications controlling devices such as lights, relays, vehicle interfaces, and other devices needing a maximum 1.0 Amps sink. All power modules and switch panels connect via an 8 pin Molex-150 sealed connector and may be daisy-chained to accommodate extra modules and panels.

The power module has eight inputs and eight outputs, connected through a 20 pin Molex-150 sealed connector. The outputs are rated at 1.0 amps sinking each from a 12 V Source. The digital inputs monitor external conditions, such as what gear the transmission is in or if the ignition switch is on, and can be programmed to respond to either ground or +12 V.

### Key Features

- Small Size, L-bracket mounting
- Eight Ground Out 1.0 Amp Sinking Outputs
- Eight Digital Inputs
- Modular/Expandable Design
- Remote Operation
- Programmable Control Logic Functions

The GM1 is used in conjunction with VCMS2 Switch Module(s) and Power Modules in different configurations of MOD1 through MOD6 where up to 6 Ground Out or PM1 Power Modules are needed in a system. In these cases the application program is in the main Switch Module.

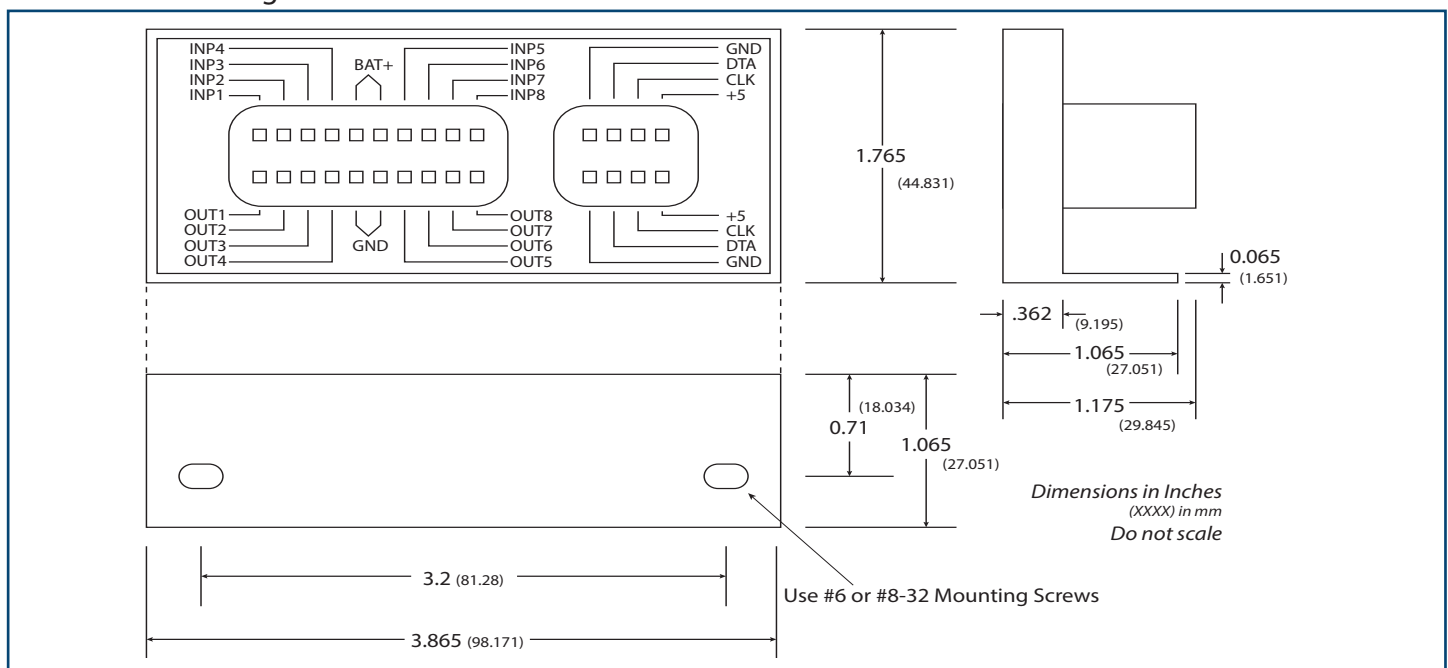
The GM1-CTRL1 is used in VCMS2 systems that have no switch module(s) (Standalone system). This may be a single GM1-CTRL1 by itself, or with up to 5 other networked GM1s or PM1s (GM1-MOD2 through GM1-MOD6). In this case the application program is located in this VCMS2-GM1-CTRL1.

### Related Products

- VCMS2-SM-4 thru SM-12 Switch Modules
- VCMS2-PM1 and CNTRL-1 Power Out Modules

Modules may be ordered as VCMS2-GM1-MOD1, VCMS2-GM1-MOD2, VCMS2-GM1-MOD3, through MOD6 or as a VCMS2-GM1-CTRL1.

### Mechanical Drawing



# VCMS2-GM1

## VCMS2-GM1-CTRL1

# 8 Input/ 8 Ground Output Module With Molex Connectors

### Specifications

Dimensions:	Mounting Surface: 1.065 inches by 3.865 inches. 1.765 inches tall.
Case Material:	Anodized aluminum
Mounting:	Two #6-32 or #8-32 Mounting Screws through L bracket to a flat surface.
Mating Connectors:	One 20 pin A key Molex-150 (part # 33472-2001): inputs, outputs and power One 8 pin A key Molex 150 (part # 33472-0806): ground and data between modules
Outputs:	Eight Low-side drivers rated for Ground Outputs at 1.0 Amps Sink
Inputs:	Eight programmable to pull up for ground true actuation or to pull down for +12 volt true actuation
Orderable Configurations:	VCMS2-GM1-CTRL1 (for Standalone systems (application)), VCMS2-GM1-MOD1, VCMS2-GM1-MOD2, VCMS2-GM1-MOD3, VCMS2-GM1-MOD4, VCMS2-GM1-MOD5, or VCMS2-GM1-MOD6.

Related Products: VCMS2-SM4, VCMS2-SM6, VCMS2-SM8, VCMS2-SM10, VCMS2-SM12 switch modules, and VCMS2-PM1-CTRL1, VCMS2-PM1-MOD1, VCMS2-PM1-MOD2, VCMS2-PM1-MOD3, VCMS2-PM1-MOD4, VCMS2-PM1-MOD5, and VCMS2-PM1-MOD6.

### System Diagram

