

Technical Description

The Model VCMS-SM10 Switch Module is a component of the InPower Vehicle Control Module System (VCMS), a modular, programmable switch panel system for controlling vehicle 12 volt auxiliary devices. The system can be configured to fit a wide range of applications requiring control of devices such as lights, beacons, fans, compressors and pumps. The switch module connects to one or more power modules via a logic cable. Two switch modules may be used in a master/slave arrangement, offering system control from two locations.

The VCMS-SM10 Switch Module is a ten button switch panel. Each switch is backlit for night viewing and has a status LED indicator, all housed in a durable metal case. Switch legends, available in standard and custom formats, are easily replaced.

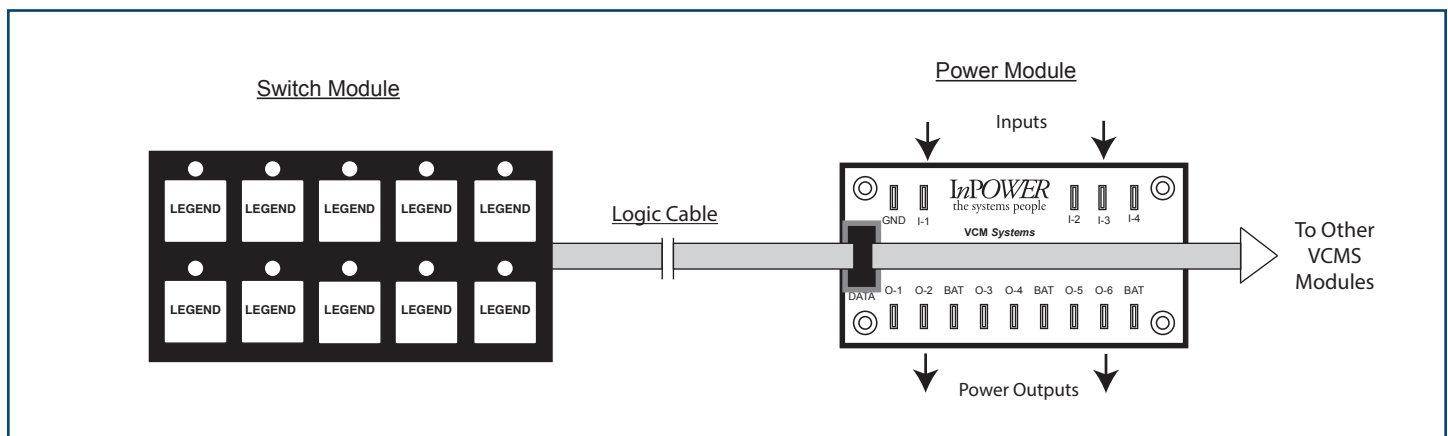
Switch modules connect to other system modules via a logic cable that plugs into a connector on the rear of the unit. The switch module mounts to a panel with four 6-32 threaded studs and is intended for interior vehicle locations.

Each switch position can be programmed to be momentary, two-position latching, or three-position latching. If the switch is programmed as a momentary function, the switch output and the status LED will remain activated only while the switch is depressed. If programmed as a latching function, pressing the switch the first time sets the switch output and status LED. Pressing the switch a second time turns off the switch output and status LED. If programmed as a 3-step function, pressing the switch once sets the first switch position output (On1). Pressing the switch the second time turns off the first output and turns on the second output (On2). Pressing the switch the third time turns off the second output. This is equivalent to a three position switch.

Key Features

- Ultra Thin Profile
- Backlit Switches
- Custom and Standard Legends
- Switch Status Indicators
- Programmable Functions
- Easy to Install Cable

System Diagram



Specifications

Dimensions:	2.74 inch H x 5.33 inch W x 0.55 inch D
Case Material:	Anodized aluminum
Mounting:	Four 0.680 inch #6-32 threaded studs
Connector:	10-position, for ribbon cable plug
Status Indicator:	Red LED
Back Light:	Blue
Switch Cap:	Molded plastic, with legend label and diffusor
Switch Functions:	Programmable via VCMS Application Program: <ol style="list-style-type: none"> 1. Momentary 2. 2-position latching (Off-On1) 3. 3-Step (Off-On1-On2)
Switch Legends:	Select from InPower's standard switch legend library, InPower document TB-59. Custom legends are also available.

Reference Documents

<u>Document Name</u>	<u>Document Number</u>
VCMS-SM6 Switch Module, 6 positions	Product Data Sheet PDS-92
VCMS-SM8 Switch Module, 8 positions	Product Data Sheet PDS-93
VCMS-SM12 Switch Module, 12 positions	Product Data Sheet PDS-95
VCMS-PM1 Power Module	Product Data Sheet PDS-96
VCMS-PM2 Power Module	Product Data Sheet PDS-101
VCMS-APM Analog Power Module	Product Data Sheet PDS-97
VCMS Design Manual	Owners Manual OM-96
VCMS Switch Legend Library	Technical Bulletin TB-59

Ordering Guide

<u>Model</u>	<u>Description</u>
VCMS-SM10	Ten-position VCMS switch module

Mechanical Drawing

