

PRECISION CIRCUITS INC

The **SLIDE-OUT RELAY MODULE** operates with electric slides and eliminates heavy wires to the switch and/or relays in the wire harness.

The Optional Ignition Lock-out prevents the Room from moving while the vehicle is underway.

The Optional Brake Control, gives separate control of the Clutch/Brake for a quicker and more positive stop. The Override input releases the brake, in instances when the room must be manually cranked.

The Optional Diagnostic LED's illuminate to show both input signals and output motor power and direction.

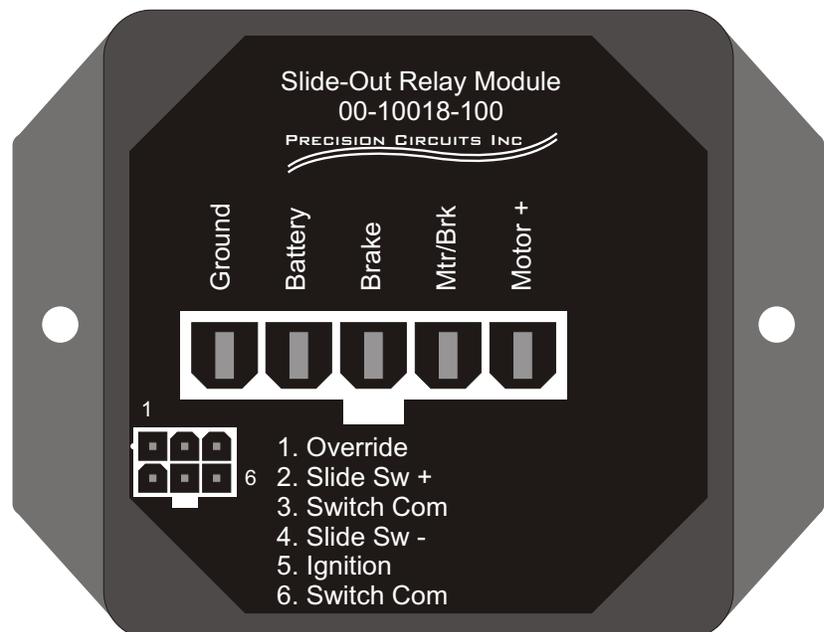
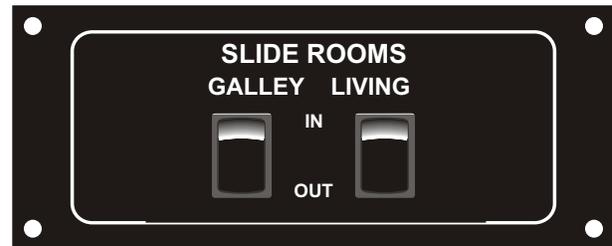
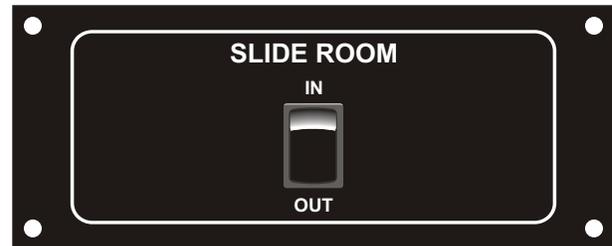
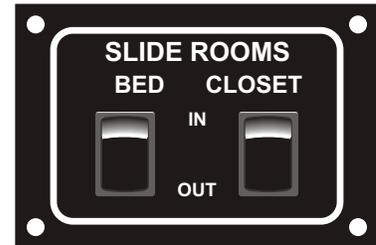
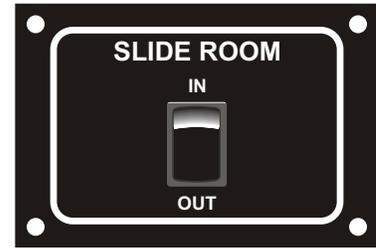
The Optional Priority Feature allows chaining multiple modules together and adding priority so that only a single room will operate at a time.

The Slide-Out Module will operate with any SPDT Momentary switch, however, Switch Panels are also available. These switch panels have the same family look as the Digi-Level Mater Monitor Panel and allow for a modular approach to a central control area.

SLIDE-OUT RELAY MODULE KEY FEATURES:

- Improved Reliability & Consistency over Relay Harness
- Optional Ignition Lock-Out
- Optional Clutch Brake Control
- Optional Diagnostic LED's
- Optional Power Connector
- Optional Priority Feature
- Available Companion Switch Panels
- Switch Panels share Family Look of Water Monitor Panel
- Custom Application

(Switch Panels Shown 1/2 Size
Module shown Full Size)



SLIDE-OUT RELAY MODULE

Operation:

The **SLIDE-OUT RELAY MODULE** uses Sealed Relays in conjunction with a printed circuit board and a plastic enclosure. When the room is at rest the two motor leads are connected to ground. When either the In or Out Switch is pressed, the corresponding wire of the motor is energized to move the room. If a separate clutch/brake is utilized, the brake is energized to allow the room to

move. When the optional Override Switch is pressed, the motor leads are opened, and the brake is engaged to allow the room to be manually moved. When the optional Ignition signal is applied, all functions in the Slide-Out Relay Module are disabled. Another option is available which would allow chaining multiple modules together. Only one module would be allowed to operate at a time, and priority of modules would be determined by connector wiring.

Specifications:

Part Numbers:	00-10018-000 Slide-Out Relay Module with Basic H-Bridge	
	Consult Factory for Part numbers with your selected options	
J1 Connector	42816-0512 Molex Mini-Fit Sr. Connector 5 Circuit Receptacle Housing	
	42815-0011 Molex Mini-Fit Sr. Contact	
	(1/4" Faston, Quick Connect Terminals take the place of each position)	
	Pin-1 Ground	Pin-4 Motor In - (& Brake)
	Pin-2 12V Battery Power	Pin-5 Motor In +
	Pin-3 Brake	
J2 Connector	39-01-2060 Molex Mini-Fit Jr. Connector 6 Circuit Receptacle Housing	
	Pin-1 Override Switch	Pin-4 Switch Out
	Pin-2 Switch In	Pin-5 Ignition
	Pin-3 Switch Common	Pin-6 Switch Common

Environment:	Indoor, Out of direct weather
Dimensions:	4-1/4" wide, 3-1/2" high, 1-1/4" deep
Mounting Holes	3/16" diameter, 3-3/4" center to center

	Minimum	Typical	Maximum
Volts DC	9.0VDC	12.0VDC	16.0VDC
Motor Current			30.0 Amps
Ambient Temperature	-40°C		+85°

