

Precision Circuits Inc

The Battery Isolation Manager (BIM) isolates the two battery systems, Chassis, and Coach, in a motorhome. This prevents loads in one system from discharging both. It also connects the two battery systems together during charging. Both batteries are charged if either is being charged. The Coach Battery is charged while driving and the Chassis Battery is charged while plugged into Shore Power at a campground.

Key Features:



The Battery Isolation Manager (BIM) monitors the Battery Voltage of both the Chassis and Coach Batteries over long periods of time. If it senses a charging voltage, it connects the two batteries together. If the charging system is drastically overburdened, the batteries will be isolated, however, if the BIM sees a long term charging of both batteries it will allow the batteries to remain connected and allow the charging system to do its job. Once the batteries have reached a Float Charge state for one hour, the BIM will isolate the batteries to prevent overcharging, and will only reconnect the batteries for charging if one of the Batteries drops to approximately 80% charge, and the other is being charged. This long term monitoring of the batteries prevents the annoying relay clicking that exists in simpler Isolation Modules today.

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Operation:

Part Number: 00-10041-200 00-10041-250

Specifications:
Relay Contacts: 160 Amps Continuous 225 Amps Continuous

Relay Contacts:	Wire Size	Amps Continuous	Amps Intermittent, 30 Secs
	2/0	225A	1200A
	1/0	200A	1200A
	1	160A	1200A
	2	130A	1200A
	4	100A	1200A

Maximum Dimensions: 3" wide 5-1/4" high 2" deep

Mounting Holes: Three 3/16" Holes

Connections: Coach or Chassis Battery 5/6" Ring Terminal

Environment: Input Terminals # 10 Ring Terminal

Water Proof: IEC 60529, Ip66 Ip67, ASTM B 11796 Hours Salt Spray

Ignition Proof: SAEJ 1171

Coils Volts DC Minimum 9.0VDC Typical 12.0VDC Maximum 16.0VDC

Coil Amps DC Ambient temperature -40°C 10amps +85°C 0.25 sec max internally protected

BIRD HAS 4 WIRES WE USE ONLY THE YELLOW WIRE TAPE THE OTHER 3 WIRES OFF AND SECURE THEM

WHITE WIRE FROM THE ROUND SOLENOID ATTACH HERE

PURPLE WIRE REMOVE FROM THE ROUND SOLENOID AND ATTACH HERE

YELLOW WIRE ON THE BIRD/ REMOVE ADD A WIRE RING CONNECTOR AND ATTACH IT HERE

