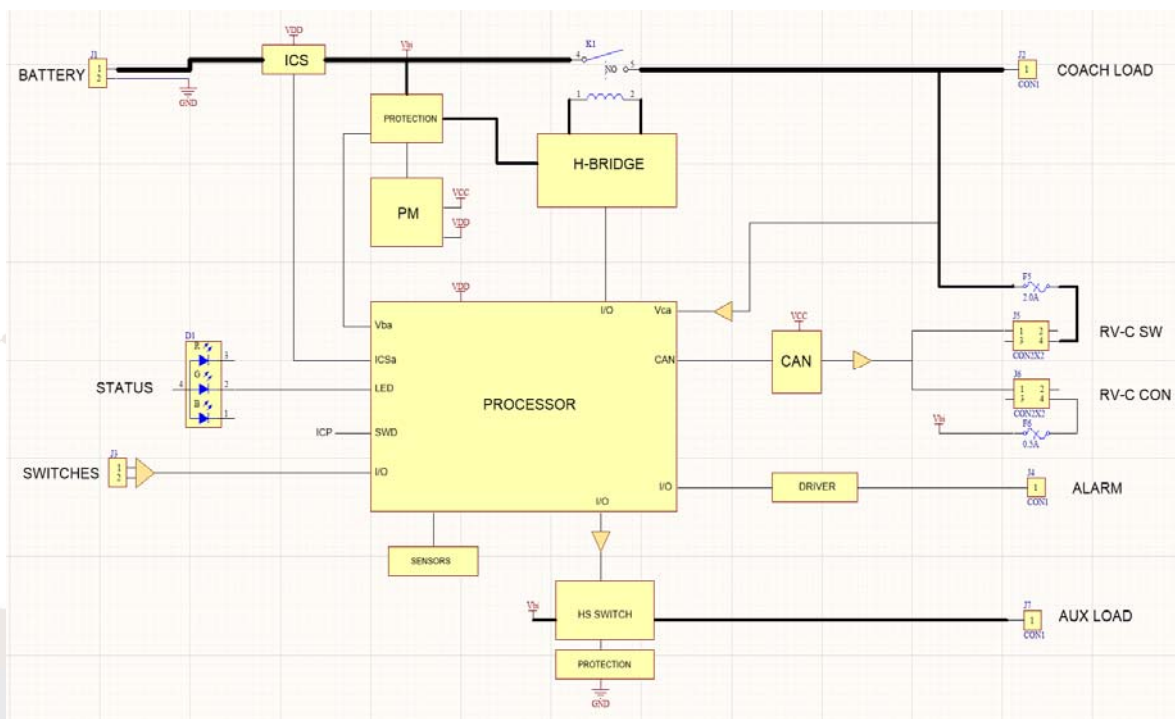


The Battery Guard® 1000 RV-C is a battery disconnect and DC management Device. The primary disconnect uses Intellitect's 100A Battery Disconnect Relay (US Patent #4,628,289) that has been used by the transportation industry for over 25 years. The auxiliary bypass output supports up to 3A and is independently controlled from the primary disconnect. Unique to this Battery Guard is the over-current and over-temperature shutdowns which provide additional safety and protection for the vehicles electrical system. The Battery Guard® 1000 RV-C includes features such as automatic disconnect and reconnect, manual disconnect and reconnect, alarm output status and fault indication. Designed with independent disconnects and 2 RV-C communication ports, one switched power and one constant power, advanced electrical systems can be created maximizing system power efficiency. With the RV-C ports the module can provide vital information about the battery levels and power consumption, system healthy, status and more on the network to provide the end user with real-time feedback about how their vehicle's electrical system is operating.



Block Diagram



Product Features

- 100 Amp continuous load capacity for Primary disconnect
- Mechanically latching requires no current draw to maintain
- Configurable parameters
- Automatic low voltage disconnect and reconnect capability
- Disconnect and reconnect verification with automatic retry
- Momentary switch input toggles between connected and disconnected state
- 300 mA low side alarm output for indicating disconnected, reconnected and low voltage state
- Industry standard connectors for easy installation
- Thermal protection
- 2 Amp Auxiliary load switch
- Optional load current monitoring
- Optional RV-C Communications

Environmental Specifications

Operating temp:	-20/50 deg C	(-24/122 deg F)
Storage temp:	-40/85 deg C	(-40/185 deg F)
Intrusion Rating:	None	
Agency approvals:	None	

Electrical Specifications	Unit	Min	Typ	Max
Operating supply voltage	V	6	12	18
Reverse supply voltage	V			-30
Quiescent Current Draw	mA			1
Operating Current Draw	mA			10
Logic Input Voltage	V	0	12	18

Mechanical Specifications

	Unit	L x W x H
Housing:	Inch	3.0 x 3.5 x 3.75
	mm	76.2 x 88.9 x 95.25
Module Weight:	oz	11.0



Available Product Literature and Guides:

Brochure: 53-01130-000

Product Specification: 53-01130-001

User's Guide: 53-01130-100

Installation and Applications: 53-01130-200

Supporting Documents: 53-01130-300

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