

## Smart B.I.R.D.<sup>®</sup> w/ Communications

P/N: 00-01136-000

### Intelligent Bi-Directional Isolator Relay with RV-C

The Smart B.I.R.D.<sup>®</sup> with Communications is designed to prevent systems with two batteries from dying, bridging the batteries under low voltage situations when a charging source is present. RV-C communication allows the monitoring of vital information such as system health, status and other information on the network.

# Smart B.I.R.D.® w/ Communications



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## Intelligent Bi-Directional Isolator Relay with RV-C

### Prevent Dead Batteries

KEEP YOUR BATTERIES CHARGED

The Bi-Directional Isolator Relay Delay or B.I.R.D.® is a core piece of DC Management Systems that includes both a coach and chassis battery. It has 3 primary functions:

1. Bridging two battery banks together when a charging source is present from either one.
2. Isolating the batteries when the charging source is removed or when both battery banks are fully charged.
3. Providing aux start power when the chassis battery is low and unable to start the vehicle.

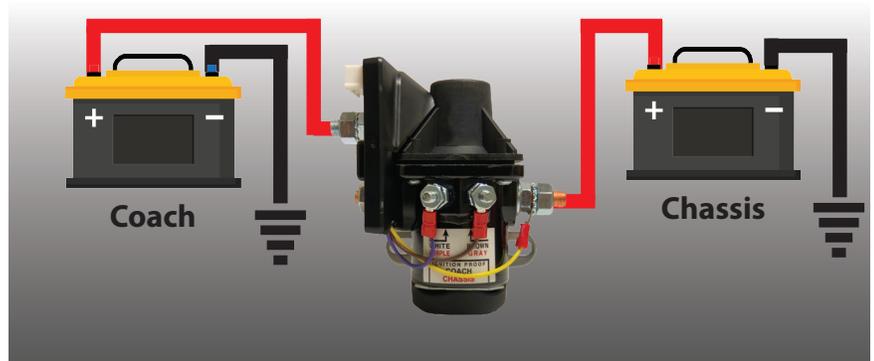


#### Smart B.I.R.D.®

##### Features

- 100 Amp Continuous Load Capacity
- Mechanically latching requires no current draw to maintain state
- Configurable parameters to work with all battery types
- Automatic bridging and isolating of batteries
- Bridge and isolation verification with automatic retry
- Low side switch input for aux start functionality
- Industry standard connectors for easy installation
- Over temperature protection
- Ignition proof
- 100 Amp Bi-Directional current sensing
- Dual RV-C Communication ports with isolated voltages

#### OPERATION & DIAGNOSTICS



Unique to this B.I.R.D.® is the bi-directional current monitoring. This not only provides over current protection as an added safety feature but also gives insight to the batteries state of charge that other isolator products do not. Unlike other isolator products that stay connected for as long as the charging source is present or use a fix bridge time, the B.I.R.D.® uses both voltage and current to accurately measure the battery's State of Charge. This provides the ability to fully charge the battery without concern for overcharging damage.