

Specifications

- A. Output terminals
- B. Battery 12V input terminal positive
- C. Ignition terminal
- D. Ground terminal
- E. Selector for battery (DC) or ignition (IGN) mode
- F. 3-dip switch for power-off delay setting
- G. Time delay LED light
- H. Override button

Configuring Power-Off Delay

Power-off delay feature allows devices to remain powered for a predetermined length of time after engine has been turned off. Delay begins as soon as engine is off and devices will shut off when delayed time has passed. See Timer Setting diagram for configuring dip switches to desired power-off delay.

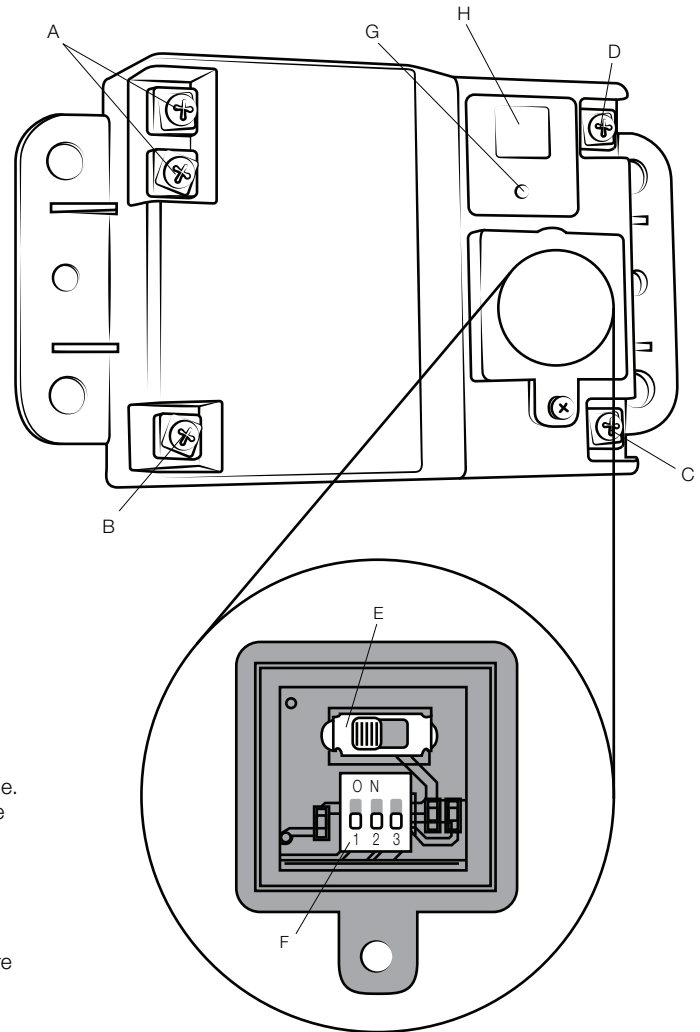
Selecting Mode (E)

Battery Sensing (DC)

RAM® Safe-T-Charge™ will respond to the rising or dropping of battery voltage. When engine is turned off, unit will detect the drop of the voltage and activate power-off delay. Recommended for electrically noisy aftermarket converters.

Ignition Switch (IGN)

RAM® Safe-T-Charge™ will respond to a switch voltage source with a range between 2/3 battery voltage and 19 volts. Requires additional wire to measure a power source that is activated by ignition switch. IGN mode responds to a function in vehicle activated by ignition, such as lights or radio.

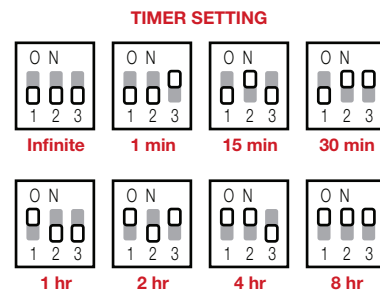


Connecting Wires

Use minimum 10-gauge wire size between (B) battery terminal and battery, regardless of fuse size, and larger for long runs over 15 feet.

1. Connect appropriate size wire from (A) output terminal to your peripherals.
2. Connect 18-gauge wire from (D) ground terminal to vehicle chassis (ideal connection is made directly to negative battery terminal).
3. (OPTIONAL) Connect 18-gauge wire from (C) ignition terminal to ON/OFF power source.

When properly connected, (G) LED light will flash green once. 5 seconds later unit will be turned on (constant amber LED). Use inline fuses in all wire runs and ensure that all wires are secured with all terminals fully tightened.



RMR-INS-234-VCP1



Safety Precaution

Do not install this product near or over an airbag deployment area or in a location that obstructs the driver's vision or interferes with vehicle operation. National Products, Inc does not assume responsibility or liability for any such personal injury, death or property damage.

Voltage Protection

Surge/Transient

Transient suppression is built-in to RAM® Safe-T-Charge™ to protect equipment from common voltage surges and spikes.

Reverse Polarity

RAM® Safe-T-Charge™ does not operate when voltage is reversed. Unit and peripherals will be protected from damage due to jump-start or improper installation.

Low Voltage

In low voltage conditions below 11v, RAM® Safe-T-Charge™ will automatically activate preset power-off delay. To save battery life, press and hold (H) override button for 5 seconds to shut off unit. (G) LED light will turn off when unit is shut off.

LED Light & Tone Indicators

NO LIGHT = No connection / Turned off

GREEN LED FLASH = Connection sensed / Engine on

CONSTANT AMBER LED = Connected / Turned on

1-SECOND INTERVALS AMBER LED = Power-off delay is active

1-MINUTE INTERVAL TONES = Last 5 minutes of power-off delay

Override Button Functions

PRESS ONCE WHILE OFF = Turns on

PRESS ONCE WHILE ON = Activates power-off delay

PRESS AND HOLD 5 SECONDS = Device shuts off

Turning device on will reset any previously elapsed power-off delay

Safety Precautions

Avoid contact with water or steam. Until disconnected, power is present in unit at all times. Do not operate or expose device to extreme temperatures. RAM® Safe-T-Charge™ must be used with an inline fuse on input power. Power output fuses are optional and must be sized properly for each peripheral when used. Failure to follow these safety precautions could result in unsafe conditions.

Mounting Options

Use the 6 holes on the sides of RAM® Safe-T-Charge™ as needed to mount in the trunk or cabin of your vehicle. Unit should be wired through a fuse directly to the battery. **DO NOT MOUNT UNDER THE HOOD.**

RMR-INS-234-VCP1



Safety Precaution

Do not install this product near or over an airbag deployment area or in a location that obstructs the driver's vision or interferes with vehicle operation. National Products, Inc does not assume responsibility or liability for any such personal injury, death or property damage.