

Battery Guard 2000

Intellitec's Battery Guard 2000 saves your fleet vehicles from becoming stranded and in need of roadside service calls.

The **Battery Guard 2000** system prevents "dead" vehicle batteries by disconnecting them before they completely run down and cannot start the engine. This second generation system is available in both 100 AMP and 200 AMP versions.

Battery Guard 2000 consists of three major components. Intellitec's patented latching relay (which requires no power to maintain either open or closed positions). The waterproof module, and the dash mounted, LED, reset switch. The relay and potted module are mounted near the battery, to disconnect it from the vehicle's electrical system. The reset switch is mounted in a convenient location on the dash. The entire system comes equipped with an interconnecting harness to simplify the installation.



Low Voltage Sensing

Battery Guard senses the battery voltage to determine the amount of charge in the battery. When the voltage is less than 12.0 volts for four minutes, the battery is then automatically disconnected.

Dash Mounted Reset Switch

When the battery has been disconnected, it can be conveniently reconnected by pressing the Battery Guard Reset Switch. This switch is available in push-button or rocker switch styles.

Disconnect Indicator

An LED indicator included in the reset switch will blink to indicate the battery has been disconnected.

Automatic Re-Connect

When the battery voltage rises above 13.3 volts, as with a "jump start" or connection to a charger, the battery is automatically reconnected.

Ignition Override

When the ignition switch is in the ON position, the unit will *not* disconnect the battery, regardless of the voltage level.

System Test

When the ignition is in the OFF position, press the dash mounted Reset Switch for three seconds, this will disconnect the battery, testing the disconnect system function.

LED Test

When the ignition is in the ON position, the LED in the Reset Switch will illuminate for two seconds to indicate the system is operational.



Intellitec

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- I. Price sensitive marketplaces demand your fleet vehicles make pick ups and deliveries on time, every time. Additional electronic and electrical equipment in today's commercial fleet vehicles (computers, inverters, extra box lights) produce severe demands on batteries, decreasing their lives by as much as 30 percent or more with just a single deep discharge.
- II. Let's count up your present costs:
- Unsatisfied customer, or lost account.
 - Shortened battery life and, or dead batteries.
 - Truck and driver down time.
 - Revenue spent in overtime making up lost time.
 - Premium cost of jump start and manpower.
- III. Intellitec's patented **Battery Guard 2000** has proven to pay for itself with just one use.
- If you maintain your vehicles for several years, or provide a Full Service Lease Agreement for your customer base, this system is for you!

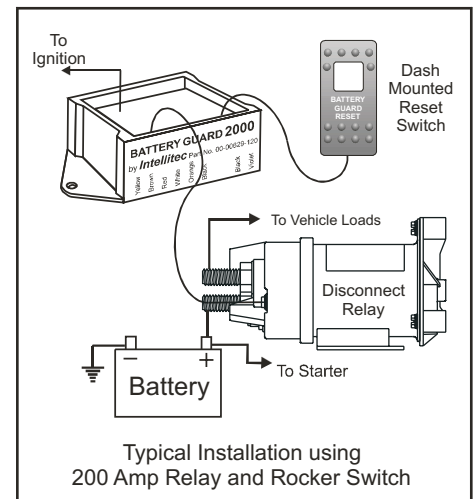
COMPONENTS REQUIRED FOR INSTALLATION

PART DESCRIPTION	100 AMP UNIT	200 AMP UNIT
Battery Guard Kit:	10-00660-071	10-00660-081
Module	00-00660-120	00-00660-120
Relay	01-00335-000	00-00507-012
Hardware kit	01-00336-200	N/A
**Cable Assy/Harness	11-00358-519	11-00358-517
Switch/Knob	01-00336-100	01-00336-100
BG Kit w/ Rocker Switch	10-00660-022	10-00660-032
Carling Rocker Switch	00-00663-000	00-00663-000

*** Harness length options available*

SPECIFICATIONS

Nominal Operating Voltage:	12.0 Volts	12.0 Volts
Actuation Current:	3.0 Amps	5.6 Amps
Minimum Actuation Voltage:	9.0 Volts	9.0 Volts
Maximum Continuous Carry Current:	100 Amps	200 Amps
Maximum (30 seconds) Carry Current:	500 Amps	1200 Amps
Ambient Temperature Range:	-40°F to +185°F	-40°F to +185°F
Normal Input Voltage Range:	10 to 16 Volts DC	10 to 16 Volts DC
Minimum Contact Life at Full Load:	10,000 Cycles	10,000 Cycles
Standby Current:	Less than 1 milliamp	Less than 1 milliamp
Short Term Over Voltage Protection to:	+24 Volts	+24 Volts
Reverse Voltage Protection to:	-300 Volts	-300 Volts
Positive Voltage Spike Protection to:	+150 Volts	+150 Volts



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