Intellitec

Introducing The Battery Guard 2000

Keeping you moving since 1976

BAT+ERYGUARD2K
STARTING POWER GUARANTEED

Introducing the Battery Guard 2000 from Intellitec MV

Battery Guard 2000 was the first battery run down protection system commercially available in the world, the system is specified by many of the largest fleet operators.

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Key Features

- No more dead batteries
- Manual battery disconnect
- Ignition protected
- IP67 ECU & Connectors

Battery Guard 2000 constantly monitors the available battery power when the engine or charging system is off. If the battery voltage drops below 12.1V or 24.1V a voltage sensitive timer is triggered within the ECU.

If the available battery voltage remains below 12.1V or 24.1V uniformly for a full 4 minutes, the ECU will pulse the Intellitec latching relay and the battery will be disconnected, to GUARENTEE STARTING POWER. At this stage there will be no power at ignition, the vehicle operator must press the flashing reset switch and power to ignition is restored.

The operator can also manually disconnect the battery by pressing and holding the reset switch for 3 seconds.

Kit Part numbers	K01	K02	K03	K04
Specification	100A 12V	100A 24V	200A 12V	200A 24V
Nominal operating current	12V	24V	12V	24V
Actuation current	3.0A	1.2A	3.0A	1.2A
Min actuation Voltage	9.0V	18V	9.0V	18V
Max continuous carry current	100A	100A	200A	200A
Max short term carry current (30 seconds)	500A	500A	1200A	1200A
Ambient temperature	-40 to +85C	-40 to +85C	-40 to +85C	-40 to +85C
Contact life at full load	Min 10,000 cycles	Min 10,000 cycles	Min 10,000 cycles	Min 10,000 cycles
Stand by current	10mA	18mA	10mA	18mA
Short term over voltage	+24V	+36V	+24V	+36V
Reverse voltage protection	-800v	-800v	-800v	-800v
Positive voltage spike protection	+150v	+150v	+150v	+150v
Maximum actu-ation time	0.2 seconds	0.2 seconds	0.2 seconds	0.2 seconds

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