



**WORLD FIRST**  
**Battery Master Switch**  
**DPS-1200 & DPS-2400**

Not just meeting ADR standards but exceeding them - the highest quality with no compromise.

**FEATURES**

- Field isolation for North American vehicles
- D+ shutdown for European vehicles
- Delayed ECM shutdown to prevent re-programming
- Direct plug in IROS roll over device - works with all other roll over devices Roll over simulation test with status light
- Luminous ON/OFF/ROLLOVER push button switches
- Robust IP65 rated enclosure
- Stainless steel mounting bracket
- Low battery voltage disconnect
- ADR 2005 Compliant

# Battery Master Switch



Battery Master Switches are a recognizable feature at the rear of many Prime movers, especially on vehicles hauling Dangerous Goods.

Now there is a switch that has "raised the bar" for Battery Master Switches. The Baxters Battery Master switch is an exciting new advancement, meeting all the complex requirements for vehicles in 2005 and beyond. This product comes with features which many Truck Drivers and Fleet operators will want as standard equipment on all vehicles.

The DPS-1200 (12 Volt) and DPS-2400 (24 Volt) Battery Master Switch has been designed to meet and exceed Australian Standards and European ADR requirements. Some additional functions have been incorporated to meet the special requirements of the Australian market. The switch is a 2 Pole Bi-

stable electro-mechanical switch with mechanical locking. It also incorporates Printed Circuit Boards (PCB) to monitor and operate several additional functions, many previously unavailable on "Old" style battery isolator switches.

The prime function of the DPS-1200 and DPS-2400 is to disconnect and isolate the main battery positive and negative circuits of the vehicle or engine plant to render it safe and/or inoperable when in a hazardous area. Once the Battery Master switch has been installed to a vehicle the switch can be operated at the unit itself or remotely or via an optional Roll Over Device. To protect against inadvertent operations, a cover allows access to the push button switches which are incorporated in the top of the master switch. Remotely mounted optional switches can activate and de-activate the master switch which is also in accordance with Australian and International Standards.

## No More Flat Batteries!

Baxters has addressed the problem with its new Battery Master Switch the DPS-1200 & DPS-2400

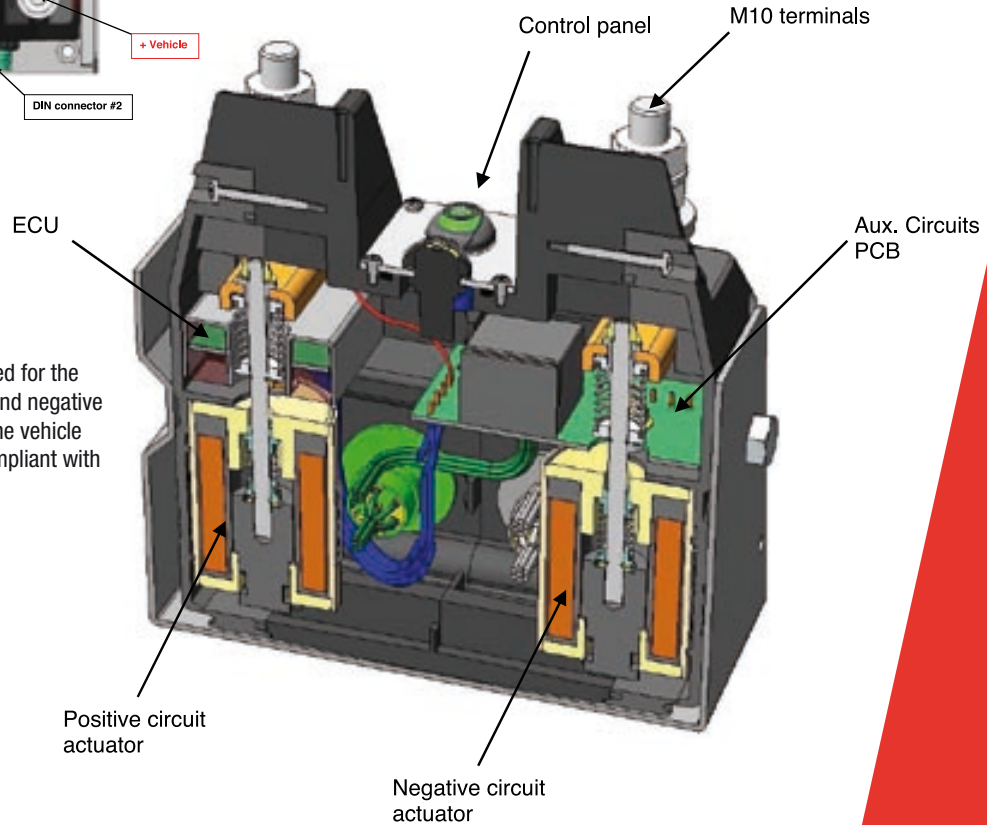
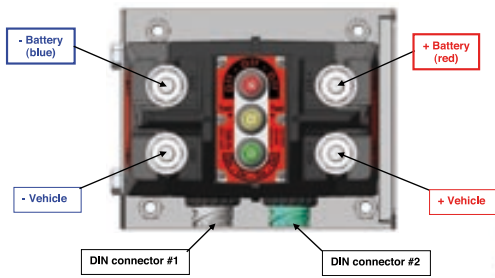
It's a problem we've nearly all experienced. A Flat Battery; it's an inconvenience for a motorist but for a truck operator it can cost a lot of money!

The DPS-1200 and DPS-2400 has the unique standard feature of low voltage monitoring (LVM). This feature will monitor battery voltage of the vehicle when the alternator is not charging and will disconnect the batteries from the electrical system should the voltage fall below 11.4(12 VDC Version) or 22.8 volts (24VDC Version) for 1 minute.

This feature is one of the specifications Baxters have designed into the switch which provides additional peace of mind for the Truck Operator and Driver.



## Technical Specifications



The 2-pole master switch is used for the disconnection of both positive and negative terminals of the battery when the vehicle stands in a hazardous area (compliant with ADR regulation).



### SPECIFICATIONS

CURRENT RANGE:	300 amps continuous - 2500 amps for 5 seconds - 1800 amps for 60 seconds
SIZE: APPROX.	160x100x170 mm
WEIGHT :	approx. 3,2 kg
DEGREE OF PROTECTION:	IP65 (for the housing)
TEMPERATURE RANGE:	-40° to +85°C
VIBRATION RESISTANCE:	IEC 60068-2-6, Test Fc, 5g (50-200Hz).
EMERGENCY SHUTDOWN:	all instantaneous
CONTROL PULSE:	generated by internal PCB protection against electrical surges
TECHNICAL DATA:	2 pole bi-stable electromagnetic switch. Mechanical locking.
NOMINAL VOLTAGE:	12 volt or 24 volt
VOLTAGE RANGE:	9-15 volts or 18-30 volts
CURRENT IN OFF POSITION:	approximately 150mA
AUXILLIARY CIRCUIT 1:	10 amps (alternator)
TIMING:	Instant
MAIN CONTACTS:	B+ and B- 300 amps
TIMING:	30 m/sec
AUXILLIARY CIRCUIT 2:	5 amps (ECM)
TIMING:	10 second delay

# Battery Master Switch

## Quality where it counts,

Litigation over OH&S and Chain of Responsibility issues can be a costly exercise if damages are proven as a result of using products that are unsuitable for dangerous goods applications.

The Baxters Battery Master switch is designed from the ground up to provide the highest level of safety achievable with a Battery Master switch. New European ADRs have rendered "Old Style" Battery Switches as redundant and the DPS-1200 and DPS-2400 is the industry leader providing manufacturers with the fully compliant solution.

Baxters, in close consultation with Leading Industry groups, formulated the specifications and engineering design criteria for the Battery Isolator Switch to meet the Australian Standard as well as International Standards.

The DPS-1200 and DPS-2400 complies with some of the worlds stringent design compliance criteria. Compliance certification and ID is now clearly present on all products and listed in the installation manuals.

Ex Rated. - EEX ib II C T6

IP 65 Rated - Ingress Protection

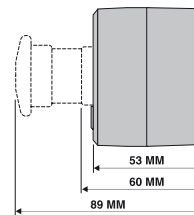
EMC 95/54/EC - Electromagnetic Compatibility.

## Dimensions

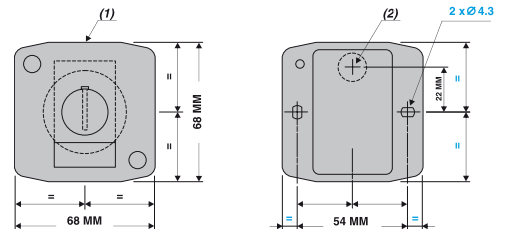


Note: Stainless Steel Mounting Bracket interchangeable with Lucas SSB Switch

## SW - K174 SW - K175



## SW - K174G SW - K175G



Part Number	Description
DPS-1200	12 Volt Battery Master Switch
DPS-2400	24 Volt Battery Master Switch
SW-K174	Latching Switch Push On / Twist Off Double Pole
SW-K174-G	Latching Switch Push On / Twist Off Double Pole with Guard
SW-K175	Momentary Switch Push Button Single Pole
SW-K175-G	Momentary Switch Push Button Single Pole with Guard
VRD12-24	"iRos" Roll -Over Protection ECU (Multi-Voltage)



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