Baxters

TSWITCH® OVERVIEW

The TSWITCH® DR Battery Master Switch has been designed to comply with Australian Standards AS 2809.2 and European ADR 2005. The TSWITCH® is a 2 pole bi-stable electro-mechanical switch with mechanical locking features.

Each switch incorporates two auxiliary circuits; one auxiliary circuit (SW 1) to control a circuit of the users preference and a second (SW 2) used for alternator field isolation.

The primary function of the TSWITCH® is to disconnect and isolate the main battery from the vehicle and the alternator, both manually and via a rollover device, impact sensor or emergency stop button. The TSWITCH® can also be integrated with fire suppression systems.

In an EMERGENCY SHUT DOWN activated by a rollover device, impact sensor or emergency stop button, the TSWITCH® disconnects the alternator prior to disconnecting the main battery and thereby preventing damage to the alternator or vehicle electronics. In such an event the main control handle resets to the OFF position. When this occurs the TSWITCH® will need to be reset once the appropriate safety personnel have designated the vehicle safe to operate.

In NON EMERGENCY situations, the operator can isolate the batteries and alternator manually and lock the vehicle out by attaching a suitable lockout device to the handle of the TSWITCH®

Features include:

- Ex & CE Certified
- Complies with ADR2005
- Complies with AS 2809
- Field Isolation for all alternator and vehicle types
- Keep Alive B+ and B- circuits for critical ECM
- Two colour LED status indicator Lockable Handle.
- Compatible with all rollover devices

Baxters
THE DRIVING FORCE IN AUTOMOTIVE SOLUTIONS

Certified Product
Australian Standard

® TSWITCH

Baxters BaxtersMTQ

AUSTRALIA-WIDE BRANCH NETWORK

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BATTERY ISOLATION SOLUTION

EX/ADR Battery Master Switches

Australian Standard ADR – AS2809 & ADR2005 compliant.
IP67 rated. Compatible with all roll over sensors

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TSWITCH®

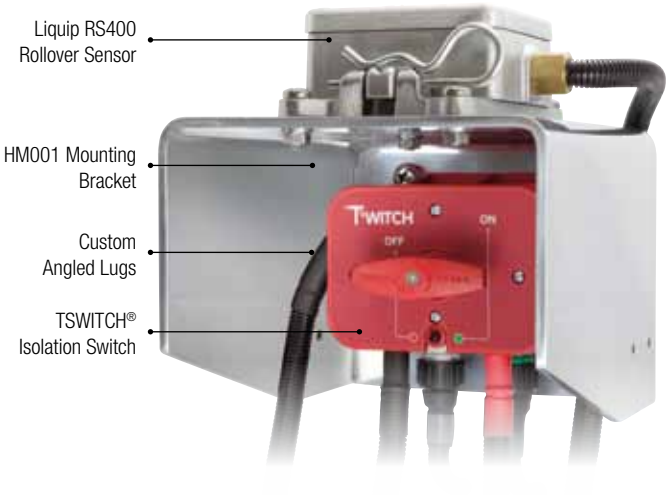
THE WORLDS BEST ISOLATION SWITCH

Designed in Australia and manufactured in Germany of the highest quality materials, the TSWITCH® meets and exceeds the standards required worldwide in the transportation of dangerous goods and isolation of vehicles to industries including mining. With electronic isolation and true mechanical isolation, thanks to the unique lockable T handle, the TSWITCH® also features unique functions such as an embedded timer – if you walk away from your vehicle, the switch will automatically turn off after an hour.

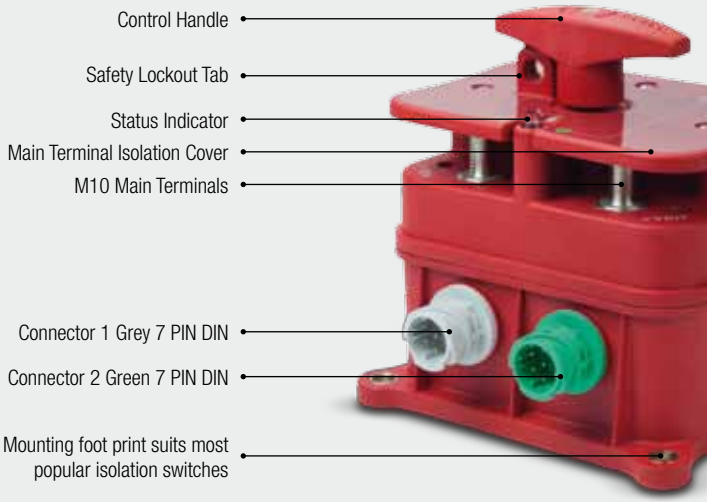
The TSWITCH® interfaces with roll over sensors, automatically isolating the electrical system in the event of a vehicle roll over and requiring a manual reset for added safety. The superior standard of design and quality of manufacture means that there is no negative impact on starting and charging systems. The functions of the Tswitch can also be tailor made to suit specific applications. TSWITCH® - Nothing else comes close.

FEATURES

- Manual over electronic isolation
- Remote disable with T handle reset
- Safety lockout
- Compatible with all roll over sensors
- Common mounting foot print (Lucas and Baxters DPS isolation switches)
- ADR approved
- IP67 rating (submersible up to 1m)
- Remote disable and enable (TSW24VEC)



FEATURES



ACCESSORIES

ROLL OVER SWITCHES/DEVICE

RS400

VRD12-24

REMOTE MOUNTED EXTERNAL OFF/ON SWITCHES

SW-K174

SW-K174G

SW-K174M

LUGS - LEFT & RIGHT HAND 10mm

LUG-0000L
LUG-0000R

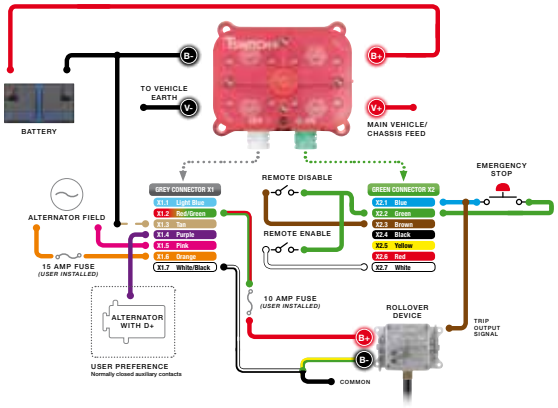
LUG-000L
LUG-000R

LUG-00L
LUG-00R

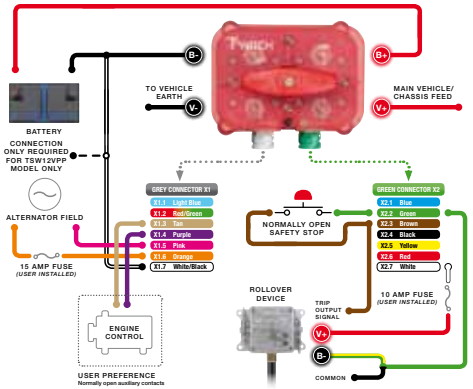
LUG-0L
LUG-0R

	TSW12K	TSW12PK	TSW24K	TSW24VCO	TSW24VI	TSW24VEC
OPERATING VOLTAGE	9-15VDC	9-15VDC	18-30VDC	18-30VDC	18-30VDC	18-30VDC
CONT. CURRENT RATING	500A	500A	500A	500A	500A	500A
MAX. CURRENT RATING 5 SEC	3000A	3000A	3000A	3000A	3000A	3000A
MAX. CURRENT RATING 30 SEC	2250A	2250A	2250A	2250A	2250A	2250A
AUX. CIRCUITS N/O 10A	2	2	2	1	2	1
AUX. CIRCUITS N/C 10A				1		1
SWITCHING POLARITY	POS - NEG	POS - POS	POS - NEG	POS - NEG	POS - NEG	POS - NEG
V+ FAILSAFE TRIP					YES	
V- REMOTE SWITCHING	OFF	OFF	OFF	OFF	OFF	OFF/ON
TWO COLOUR LED STATUS IND	YES	YES	YES	YES	YES	YES

EXAMPLE BASIC WIRING DIAGRAM TSW24VEC



EXAMPLE BASIC WIRING DIAGRAM TSW12K, TSW24K



V+ Fail Safe Trip: It is recommended that Normally Closed Emergency Stop switches are integrated into a looped circuit leading from PIN 7 of Green Connector and Returning VIA PIN 1 of Green Connector. For additional safety Connect a switched V+ from the KEY SWITCH or Auxiliary Ignition source. If the KEY SWITCH/ IGNITION of the equipment is OFF the TSWITCH® cannot be manually turned ON. With every attempt to turn ON a mechanical auto trip feature returns the control handle back to the OFF position with spring force.