

# BREAK SAFE SERIES 4000

## ELECTRIC BRAKE BREAK - AWAY SYSTEM

### INTRODUCTION

The Breaksafe Break-Away system is designed to apply the trailer brakes and brake lights if the trailer is accidentally separated from the tow vehicle. The system has a built in battery that can be charged from the tow vehicle's auxiliary line or by a battery charger. The easy to operate test button is used to indicate the level of charge in the battery. This should be checked before the trailer is towed. Please ensure that you select the correct model for your requirements

### WARNING

The Breaksafe should be mounted internally but can be mounted externally if necessary although the Breaksafe is not waterproof and should have a rain and splash cover if it is mounted externally. The mounted position of the Breaksafe should be determined by the installer in conjunction with the vehicle owner's preference. When mounting inside the vehicle, choose a position where air can circulate around the box. Do not position the box where articles can be stored against it as they may activate the test button.

### TEST BUTTON

Use the test button to test the condition of the built-in battery. This should be checked each time the trailer is used. Depress the button momentarily and check the battery level lights. The test button will also energise the trailer brakes and brake lights.

**GREEN** - Battery normal .

**RED** - Battery low (charge before use).

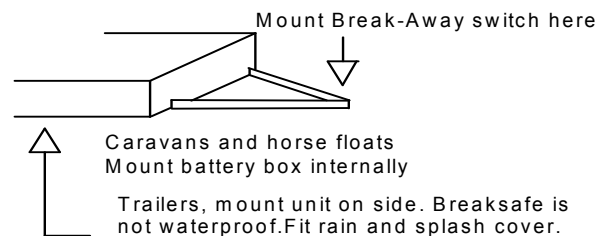
**NO LIGHT** - Battery flat, charge before use or replace battery.

### READ INSTALLATION INSTRUCTIONS CAREFULLY

**All Breaksafe wires must be connected for correct operation of Breaksafe unit**

### WIRING

**BLACK** 12 volt tow vehicle auxiliary line  
**RED** Stop light circuit.  
**WHITE** Earth return from trailer brakes.  
**BLUE** Positive supply to trailer brakes.  
**ORANGE** Both wires to Break-Away switch



### CHARGING

Charging of the Breaksafe battery can be done via the tow vehicle auxiliary line (Breaksafe black wire) or by connecting a small battery charger (8 amps maximum) to the red and black terminals on the front of the Breaksafe box. The orange charge light next to the red terminal will illuminate when the Breaksafe battery is connected to 12 volts for charging. The charging system in the Breaksafe unit is a trickle charge circuit only and it may take several hours for the battery to fully recharge.

### TESTING

**Disconnect the trailer plug from the tow vehicle.** Pull the Breakaway pin from the breakaway switch attached to the A frame. The **electric brakes** and **brake lights** of the trailer should immediately activate and the battery level light should illuminate. The brakes will release when the pin is replaced in the switch.