

## STANDARD COMMUNICATIONS WARRANTY AGAINST DEFECTS

This warranty against defects is given by Standard Communications Pty Ltd ACN 000 346 814 (We, us, our or GME). Our contact details are set out in clause 2.7.

### 1. Consumer guarantees

- 1.1 Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- 1.2 To the extent we are able, we exclude all other conditions, warranties and obligations which would otherwise be implied.

### 2. Warranty against defects

- 2.1 This warranty is in addition to and does not limit, exclude or restrict your rights under the Competition and Consumer Act 2010 (Australia) or any other mandatory protection laws that may apply.
- 2.2 We warrant our goods to be free from defects in materials and workmanship for the warranty period (see warranty table) from the date of original sale (or another period we agree to in writing). Subject to our obligations under clause 1.2, we will at our option, either repair or replace goods which we are satisfied are defective. We warrant any replacement parts for the remainder of the period of warranty for the goods into which they are incorporated.
- 2.3 To the extent permitted by law, our sole liability for breach of a condition, warranty or other obligation implied by law is limited
  - (a) in the case of goods we supply, to any one of the following as we decide -
    - (i) the replacement of the goods or the supply of equivalent goods;
    - (ii) the repair of the goods;
    - (iii) the cost of repairing the goods or of acquiring equivalent goods;
  - (b) in the case of services we supply, to any one of the following as we decide -
    - (i) the supplying of the services again;
    - (ii) the cost of having the services supplied again.
- 2.4 For repairs outside the warranty period, we warrant our repairs to be free from defects in materials and workmanship for three months from the date of the original repair. We agree to re-repair or replace (at our option) any

materials or workmanship which we are satisfied are defective.

- 2.5 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint regarding our services made in good faith. If we are satisfied that the complaint is justified, and as our sole liability to you under this warranty (to the extent permitted at law), we agree to supply those services again at no extra charge to you.
- 2.6 To make a warranty claim you must before the end of the applicable warranty period (see warranty table), at your own cost, return the goods you allege are defective, provide written details of the defect, and give us an original or copy of the sales invoice or some other evidence showing details of the transaction.
- 2.7 Send your claim to: Standard Communications Pty Ltd, Unit B, 22-24 College Street, Gladesville, NSW 2111, Australia.  
Tel: (02) 9879 8888 Fax: (02) 9816 4722  
Email: servadmin@gme.net.au
- 2.8 If we determine that your goods are defective, we will pay for the cost of returning the repaired or replaced goods to you, and reimburse you for your reasonable expenses of sending your warranty claim to us.

### 3. What this warranty does not cover

- 3.1 This warranty will not apply in relation to:
  - (a) goods modified or altered in any way;
  - (b) defects and damage caused by use with non Standard Communications products;
  - (c) repairs performed other than by our authorised representative;
  - (d) defects or damage resulting from misuse, accident, impact or neglect;
  - (e) goods improperly installed or used in a manner contrary to the relevant instruction manual; or
  - (f) goods where the serial number has been removed or made illegal.

### 4. Warranty period

- 4.1 We provide the following warranty on GME and Kingray products. No repair or replacement during the warranty period will renew or extend the warranty period past the period from original date of purchase.

PRODUCT TYPE	WARRANTY PERIOD
Land and marine accessories and antennas	1 year



# EBS1

## Emergency battery change-over switch



## INSTRUCTION MANUAL



A division of: **Standard Communications Pty. Ltd.**

**Head Office:** Locked bag 2086, North Ryde, NSW 1670, Australia. T: +61 (0)2 9844 6666 F: +61 (0)2 9844 6600

**Adelaide:** Unit 1, 14 Phillips St, Thebarton, SA 5031. T: (08) 8234 2633 F: (08) 8234 5138

**Brisbane:** Unit 1, 89-101 Factory Rd, Oxley, QLD 4075. T: (07) 3278 6444 F: (07) 3278 6555

**Melbourne:** 7 Micro Circuit, Dandenong South, VIC 3165. T: (03) 9798 0988 F: (03) 9798 0177

**Perth:** Unit 1, 10-12 Harvard Way, Canning Vale, WA 6155. T: (08) 9455 5744 F: (08) 9455 3110

**Sydney:** Unit B, 22-24 College St, Gladesville, NSW 2111. T: (02) 9879 8888 F: (02) 9816 4722

**Auckland:** 2/24 Bishop Dunn Pl, East Tamaki, Manakau, 2163 NZ. T: (09) 274 0955 F: (09) 274 0959

For customers outside Australia and New Zealand please contact your local GME retailer or email: [export@gme.net.au](mailto:export@gme.net.au) [www.gme.net.au](http://www.gme.net.au)

## DESCRIPTION

The EBS1 is an emergency battery change-over switch designed to monitor the 13.8 volt DC output from your power supply. If the mains power should fail, the EBS1 will automatically switch a 12 volt backup battery into circuit so that power is maintained to your equipment. When the mains power is restored, the EBS1 switches back to the power supply. The EBS1 has been specifically designed for use with the GME PSA1210 (10 amp) or PSA1225 (35 amp) power supplies, but is suitable for use with any power supplies of similar rating.

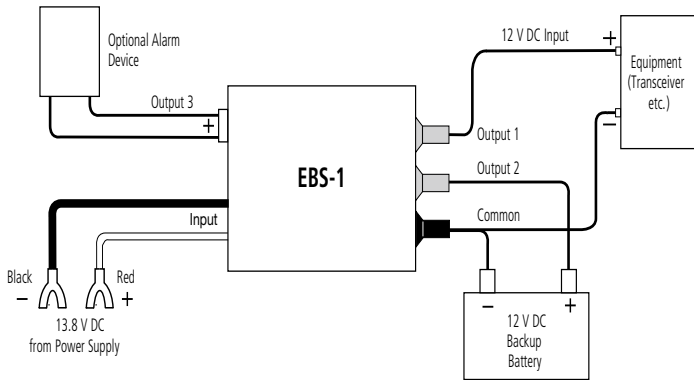
During normal operation, the 12 volt backup battery is trickle charged from the main power supply. The charge rate is selected internally. Alarm terminals are also provided so that a 12 volts DC alarm device (buzzer, piezo alarm etc.) can be connected to warn of power failure.

The EBS1 is particularly suited to remote site or base installations where continuous equipment operation must be maintained.

## CONNECTION

The EBS1 is connected as shown below.

The connection of an alarm device to the alarm terminals is optional.



## CHARGING

The charging rate for the backup battery can be set using 40 mm automobile bulbs. The bulbs can be installed into the printed circuit board (PCB) sockets provided.

By using a combination of 10 watt and 18 watt bulbs, a range of trickle charging rates can be selected.

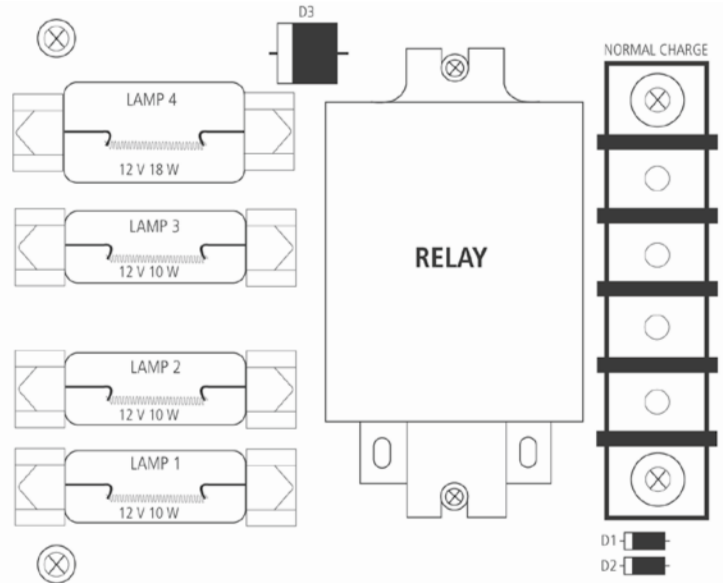
A single 10 watt bulb provides the lowest charge rate, while three 10 watt bulbs and one 18 watt bulb give the highest charge rate.

**If you do not wish to charge the backup battery, remove all of the bulbs.**

## CHARGING RATES

Because the battery type and condition will vary between installations, it is not possible to provide a charge rate table for selecting the required combination of bulbs. The maximum charge rate should be selected on the battery being used (in its

discharged state) by measuring the charging current with a meter. The bulbs will provide a relatively constant charge current on a heavily discharged battery, but the current will drop off as the battery voltage reaches the full charge level.



## ALARM

The alarm terminals provide 12 volts DC from the battery, **ONLY** when the main power supply has failed. During normal operation from the main power supply, there is no voltage available from these terminals. The terminals can be connected

to any 12 volt device with a maximum rating of 10 amps, dependent on the backup battery being used. Alternatively, in remote sites, the +ve terminal could be used to trigger a beep tone in a transmitter.