



= AccuMate = The VERSATILE Hi-Tech Charger for Modern Batteries

FEATURES WHICH DISTINGUISH THE AccuMate

- ° Suitable for all types of rechargeable 6 V and 12V lead-acid batteries.
- ° Conventional, Gel, Fully sealed 'MF' or 'Gas Recombination Technology' batteries, all correctly & effectively charged using advanced **CONSTANT CURRENT** characteristic.
- ° Very compact yet quick due to advanced hi-tech '**IUoU**' charge programme.
- ° Models available for 220/240 VAC or 110/120 VAC inputs, with 'BS', 'Euro', or 'UL' AC plugs.
- ° Two year warranty (excluding physical abuse & acid damage).

SAFETY

- ° Totally safe even for uninformed users.
- ° Three-stage 100% automatic charging programme : just one selector for 6V /12V output.
- ° Electronically protected against inverse polarity connection.
- ° Electronic protection against charging output short-circuit. No fuses to replace.
- ° No spark generation in short-circuit conditions.
- ° When the battery is close to complete charge the circuit switches over to controlled voltage "float charge" for correct long-term maintenance of batteries during periods out of service.

TECHNICAL ADVANTAGES

- ° Simple but comprehensive LED status indication for "power on" / battery Voltage selection, inverse polarity connection, charge in progress, charge complete.
- ° Advanced '**IUoU**' three-stage charging programme ensures rapid & complete charge.
- ° 1,2 Amps effective charge current maintained constant throughout main charging stage for maximum charging efficacy, minimum time. for both 12 V & 6 V batteries.
- ° Some deep-discharged batteries may be recovered by the constant current charge mode, (though many will not be recoverable due to the limitation of the applied voltage).
- ° Batteries discharged to less than 1 V are identified by the fact that AccuMate's charging circuit will not engage & there will be no LED charging indication.
- ° The circuit automatically checks the current drawn by the battery during the maintenance "float charge" stage , & automatically reverts to constant current charge if necessary.

ACCUMATE 6/12

LOGIC DIAGRAM

