



DATA SHEET NO 1

**110VDC 3A / 5A / 10A STANDARD BATTERY TRIP UNIT WITH
VENTED NICKEL CADMIUM BATTERIES**

A) CHARGER UNIT:

QUANTITY	:1
INPUT	:230/250V 1 PHASE 50Hz
INPUT BURDEN	:550VA WORST CASE - PLEASE NOTE THAT WE DO NOT RECOMMEND OPERATING THE TRIP UNIT FROM A VT DUE TO THE AC INPUT REQUIREMENTS WHICH COULD EXCEED THE VT RATING - 110V AC INPUT IS POSSIBLE BUT MUST BE SPECIFIED PRIOR TO MANUFACTURE OF THE BTU
OUTPUT	:110V DC NOMINAL
FLOAT VOLTAGE	:120,7V DC
BOOST VOLTAGE	:131,8V DC
CHARGER RATING	:3A DC CONTINUOUS
STANDING LOAD	:NOT SPECIFIED - MAX 1,5A DC RECOMMENDED
CHARGER TYPE	:CONSTANT VOLTAGE CURRENT LIMIT (CVC)
SMOOTHING	:5% RMS V
REGULATION	:+/- 10% MAINS VARIATION <= +/- 1% ON DC OUTPUT
MAJOR COMPONENTS	:AC INPUT ISOLATOR :MAINS PROTECTION FUSE :AC INPUT SURGE SUPPRESSION MOV :MAINS ON NEON LAMP :DOUBLE WOUND MAINS TRANSFORMER :DC SMOOTHING CHOKE + CAPACITOR :BR1000 RECTIFIER THYRISTOR CONTROL MODULE :BRIDGE RECTIFIER/THYRISTOR STACK :96mm DC AMMETER :96mm DC VOLTMETER :RECTIFIER PROTECTION FUSE
ALARMS	:OPTIONAL ITEMS
CABINET	:AC/DC/BATTERY TERMINALS :SHEET STEEL FLOOR STANDING SELF CONTAINED TYPE WITH FRONT ACCESS VIA A PADLOCKABLE FRONT DOOR WHERE CHARGER AND BATTERY SHARE A COMMON ENCLOSURE
FINISH	:POWDER COATED EITHER LIGHT GREY G29 OR LIGHT ORANGE B26 IN ACCORDANCE WITH SABS1091 WITH STRUCTURED FINISH - OTHER COLOURS ARE AVAILABLE ON REQUEST

B) BATTERY SYSTEM:

QUANTITY	:1 x SET OF 85 SERIES CONNECTED CELLS
BATTERY TYPE	:VENTED POCKET PLATE NICKEL CADMIUM
DESIGNATION	:SAFT TYPE KPZ10 (OR EQUIVALENT)
CAPACITY	:10 AMP - HOUR AT THE 5 HOUR DISCHARGE RATE
DESIGN LIFE	:20 YEARS

ENDS