

# Technical data

P4225 Self contained wall mounted  
(Switch Tripping) unit

24 volt battery pack and float charger  
(Standing load type with alarms)

10.0Ah supply for powering coils, protection relays etc.

Trauma tested to ensure safe power under extreme conditions

Battery  
Charger  
Alarms  
Casing, etc  
Standards and testing

Unit designed and manufactured by Slencrest Ltd. 01622 741122  
Document first published 07/02

Battery pack 2No. P4295

Sealed  
Lead-Acid

Type

24 volt

Nominal voltage

2 x 12

Number of cells (two packs wired in parallel)  
Taped and shrink-wrapped

10Ah

Rated capacity (2 x 5Ah)

22.4 volt

Minimum discharge voltage at battery terminals  
whilst supplying standing load (5°C)

22.4 volt

Minimum discharge voltage at battery terminals  
whilst supplying standing load and undertaking  
tripping/inter-tripping duty (5°C)

Wound Lead  
(pasted)

Construction of negative and positive plates

10 years

Design float life at 25°C

Cyclon 'X'

Manufacturer's cell type

1.8 amps

Float charge rate

28.56±0.3V

Float voltage

# Charger

## Input

110/240V	Voltage
Single	Phase
50Hz/60Hz	Frequency

## Output

Two	Number of outputs
32A Redspot	Value & type
1A @28.56V	Rated float current at float voltage
27-32V 28.56V	Float voltage adjustment range Nominal setting
0.7A-2.0A 1.8A	Float current adjustment range Nominal setting
Better than .05% for +6% to -10%	Output voltage regulation for mains voltage variation
6 hours	Recharge time after full discharge

## Alarms

2 (normally open) relay contacts available for each alarm circuit

### **Charger fail**

21-32V                      Adjustment range  
24V                              Nominal setting

1-10 sec                      Time delay adjustment range  
5 sec                              Nominal setting

### **Battery volts low**

20.2-29V                      Adjustment range  
20.8V                              Nominal setting

35msec                      Time delay setting

### **Battery volts high**

29-39V                      Adjustment range  
30V                              Nominal setting

1-10 sec                      Time delay adjustment range  
5 sec                              Nominal setting

Charger isolated              Additional safety action on alarm

### **Visual warnings** (see Front panel)

Green LED                      Healthy system indicator  
Red LED                              Mains power supply on

# Casing

## Dimensions (approx)

500mm High

500mm Wide

300mm Deep with bolt positions for fixing to wall

9KG Complete battery pack

28KG Unit not including battery

## Front panel

Switch for main supply On/Off

Spring loaded test switch that inserts 4.7 amp load

Voltmeter with range 0-40 volts

5 amp fuse for mains charger input

7 amp fuse for protection of transformer

1 amp fuse for protection of alarm panel under fault conditions

Healthy system indicator LED (green)

Mains power supply on LED (red)

## Cabling

Spring loaded DIN connectors for all external wiring through removable gland plate (see drawing 422519)

# Standards and testing

Batteries to BS 6290

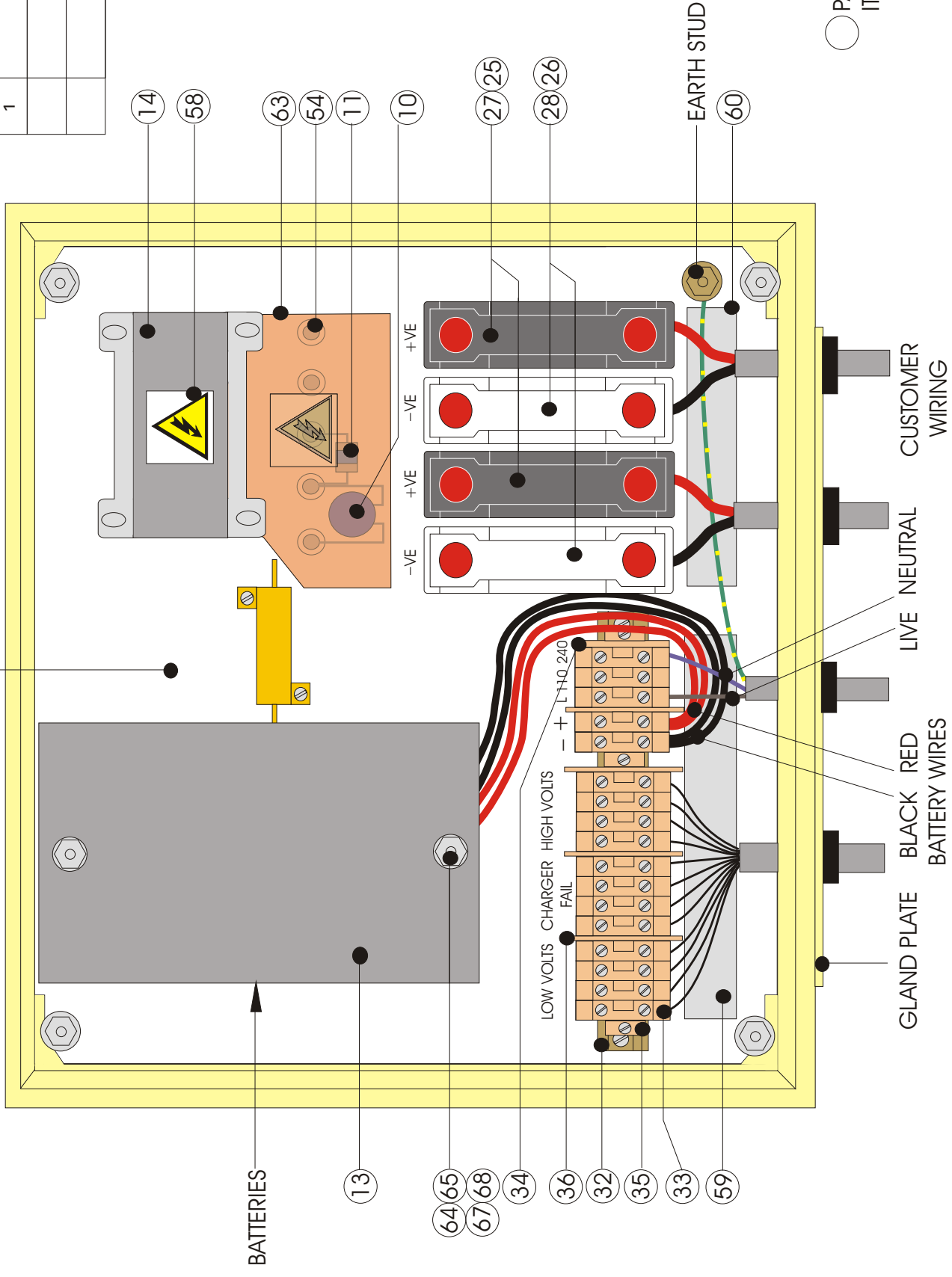
Unit designed to ESI standard 50-18

Complies with Engineering Standard 3-0301 (Switchgear)

Fully tested

Enclosure complies with IP31 for indoor mounting

ISSUE	ALTERATION	BY	DATE
1		DAF	21/6/02



○ PARTS LIST  
ITEM NUMBER

DRAWING No.  
**422519**  
DRN: DAF ENGR SSM

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SCALE :-		TOLERANCES :-
DIMENSIONS :-		
TITLE		
GA INSIDE UNIT SHOWING CUSTOMER WIRING MODEL 4225		
SLENCREST LIMITED		
BROAD OAK HOUSE PHEASANT LANE MAIDSTONE KENT ME15 9QR		