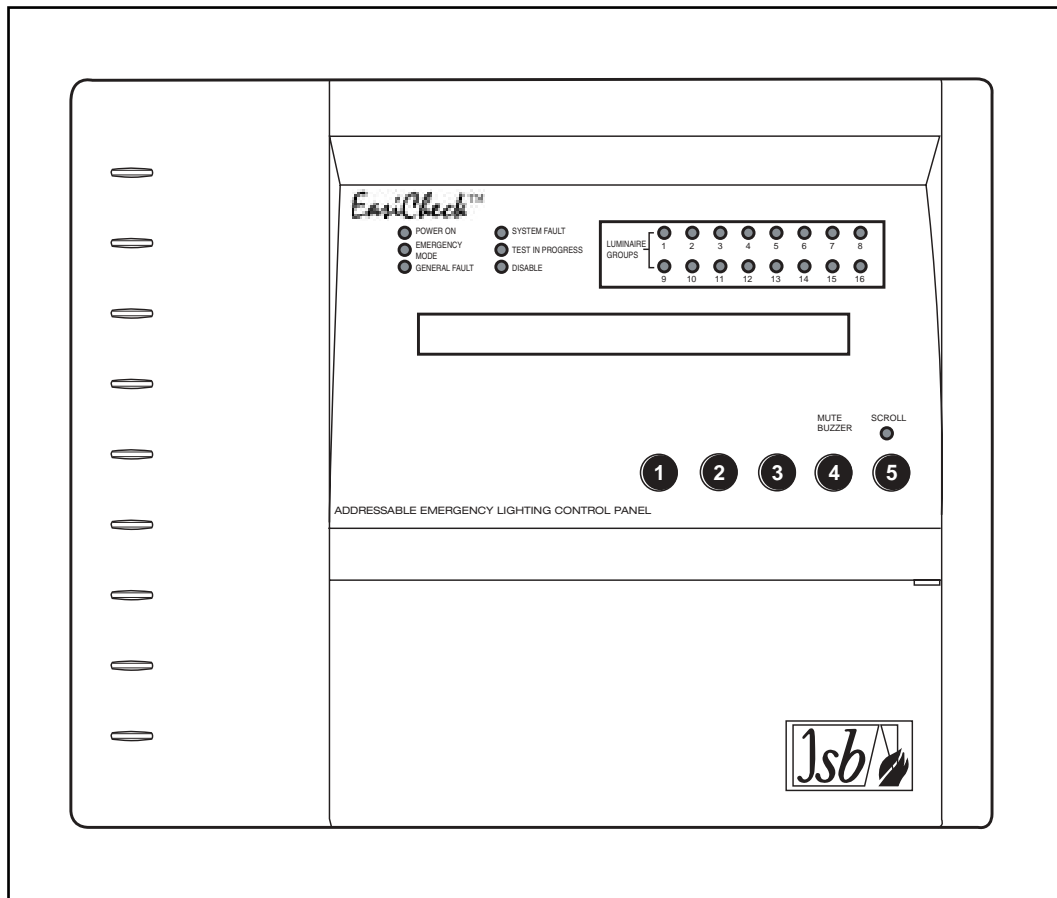


EASICHECK™ 1001

Self Contained



INSTALLATION INSTRUCTIONS AND OPERATING MANUAL

Introduction

Specification

The SCAEL Interface

Wiring

Powering Up

Commissioning

Setting Date/Time

User Menu

Networking

PC Software

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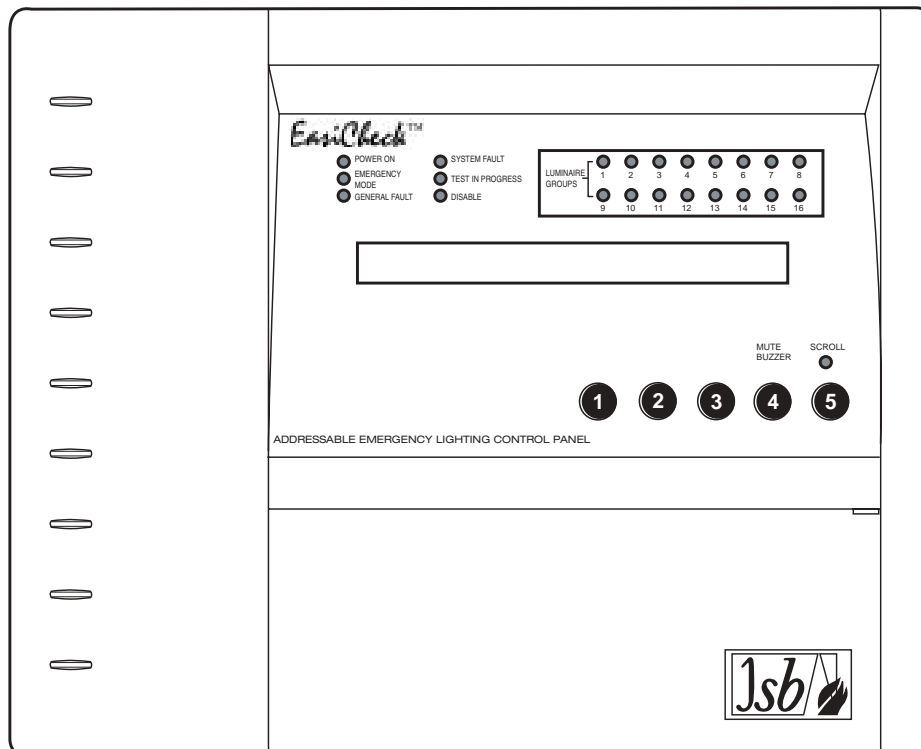
1.0 Introduction

The EASICHECK™ Panel is designed to periodically test the functionality of your installed emergency. Once a week, once a month or 6 monthly, the EASICHECK™ will carry out tests to determine whether your emergency lighting is fully functional.

For testing purposes, the luminaires can be designated to groups. The information for each group is loaded at the commissioning stage via a PC. Groups can include luminaires in diverse locations so as to prevent effective loss of emergency cover following test routines.

Manual tests with duration from 5 minutes to 3 hours can easily be instigated. Any faults that are found are displayed at the panel. Multiple faults can be scrolled through the display by pressing the scroll button. A permanent or intermittent fault will be detected by the panel. The display will show the fault, address and location. The fitting will show flashing Amber LED instead of the flashing green LED. The panel can test a single luminaire at any time if required. This is done by use of the test mode menu option. A printer may be attached to record all test results.

If the system communication fails, loop voltage is incorrect, or if there is a Mains failure, any test that is in progress is terminated and the luminaire states are returned to normal mode.



● User Text Display	Address, location and fault description.
● Dimensions H x W x D (mm)	270 x 332 x 90
● Maximum System Capacity	250 self contained luminaires depending on system type
● Weight (Including Battery)	6 Kg
● LED Indicators/LC Display	LEDs are; Power On, Emergency Mode, General Fault, System Fault, Test In Progress, Disable, Scroll and Luminaire Groups LCD is 2 lines x 40 characters
● User Controls	Soft touch five button keypad
● User Function Menu	Enable/Disable Units/SCAEL Interface LED Test, Test Mode, Voltage/Current Display and Print options using RS232 Portable Printer
● Remote Signal	Volt free change over Contact (1A 24V DC Relay)
● Communications Port	RS232 (Printer) and RS485 (Repeater)
● Sealed Lead Acid Batteries	24V system comprising of 2 x 12V @ 3.2Ah each
● Battery Charger	800mA, constant voltage, temperature compensated
● Loop Output	26V Stabilised
● Loop Communication	9V pulses superimposed on the 26V line
● Temperature Range	Battery charger compensated 0° to 40°(C)
● Commissioning Site Software	Download at initialisation from a PC
● Memory life(without power)	10 Years
● Working Memory	1 week for test result information
● Number of Loops	1

1.2 Features

- 80 Character display showing the exact address and location of any fault identified.
- 16 group capability with individual group indicators in addition to text display.
- One loop giving a total of 250 address capacity.
- Two self contained 12 volt rechargeable batteries for 6 hour standby with a fully loaded loop.
- Full text downloading in seconds using PC compatible computer (i.e. Laptop).
- Self learning of SCAEL Interfaces addresses to aid commissioning
- In the event of Fault, display shows location text, address, charge current and battery voltage.
- Stabilised 24V output independent of Battery voltage during Mains fail.

Fault Relay

Volt free change over contact is provided (see section 7.0), it is rated at 1A / 24V DC
The relay operates upon any Fault condition.

Loop Wiring

Electrical insulation test should not be carried out if the loop cables are connected to the EasiCheck panel, or to the fittings or to any electronic circuitry.
Before connecting the wiring to the EasiCheck panel, the wiring should be tested for continuity, polarity, short circuit and earth faults.

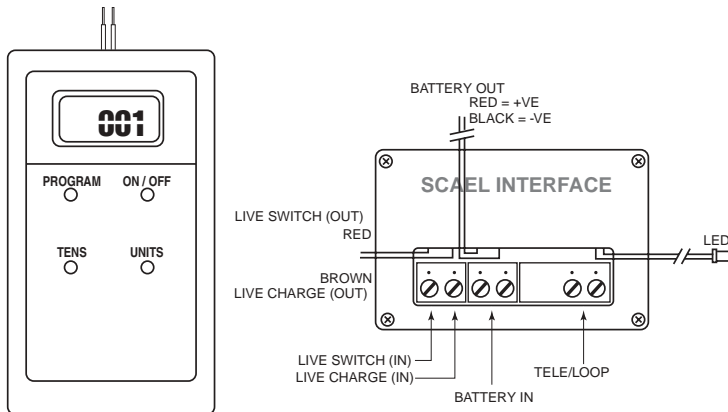
Networking

A maximum of 64 EasiCheck Panels can be networked by fitting of additional network cards.
The Panels are inter connected in a network loop (two in, two out). Any EasiCheck Panel reporting a fault in the system will be shown on all Panels. The Fault may be viewed and reset from any Panel. See page 11 for cable type

Before the SCAEL Interface is connected it must be programmed in order for the EASICHECK™ Panel to recognise it as part of the system. This is done with an EASICHECK™ hand held programming unit. The programming unit has two spring loaded connections which are to be held briefly on to the SCAEL Interface 'TELE/LOOP' connections. See Diagram;

Programmer

SCAEL INTERFACE



Switch on the programming unit by pressing the top right button marked On/Off. After a few seconds the programming unit display will show the next address number due to be programmed. Hold the spring terminal against the SCAEL Interface and press Program. The programmer will show 'Pro' to register address acceptance and then the address number will increment by one ready for the next interface. The interface is now ready to be fitted. Repeat this until all of the interfaces have been programmed.

Note: If you are unsure as to which address the SCAEL Interface has been programmed for, then with the programmer switched off, hold the spring terminals against the SCAEL Interface and switch on the programmer. After a short delay the programmer display will flash the number of the SCAEL Interface address and then return to the next address number to be programmed.

The SCAEL unit contains a latching relay. During transit it is possible for the relay to change state, even though it is not powered up. During programming the programmer will automatically restore the relay to its correct position.

2.1 Installation of the SCAEL Interface.

The SCAEL Interface should be connected into the Luminaire by following the instructions supplied.

Attach the address label to the Luminaire. Sets of address labels are available separately.

The interface is connected in series with the existing battery pack and the LED is fitted through a hole in the gear tray to display healthy or fault status. The incoming mains live charge and live switched (maintained luminaires only) should be wired into the screw terminal block and the corresponding flying wires for each should be connected into the luminaires in the usual manner.

The interface continually monitors the battery voltage and charge current which is interrogated by the EASICHECK™ Control Panel and checked for correctness. Any luminaire found to be incorrect will have its Green LED switched to Amber and the Control Panel will display the Address number, location and a fault description.

3.0 Installation

In common with all electronic equipment the panel should be installed in a clean, dry, reasonably well ventilated place, and not in direct sunlight. Temperatures in excess of 40°C and below 5°C may cause problems, if in doubt consult Cooper Lighting and Security Ltd. The panel should be located away from any potential hazard, in a position where it is readily accessible to authorised staff. Mount the panel to the wall using the drill template provided. Do not drill through the panel to the wall as dust will contaminate the circuitry, and prevent correct operation.

A metal back box is available for semi-recessing the control panel. Dimensions 327mm wide x 265mm high x 77mm deep.

When using 20mm conduit entry direct to the top of the housing, use a flanged coupler to ensure a wide distribution of pressure when tightening the coupling.

3.1 Installation Guide

- Never** Use oversized conductors or connect more conductors into termination points than it can safely contain.
- Never** Carry out insulation tests on cables connected to electronic equipment.
- Always** Use the correct gauge of cables.
- Always** Adhere to volt drop limitation for loop cables

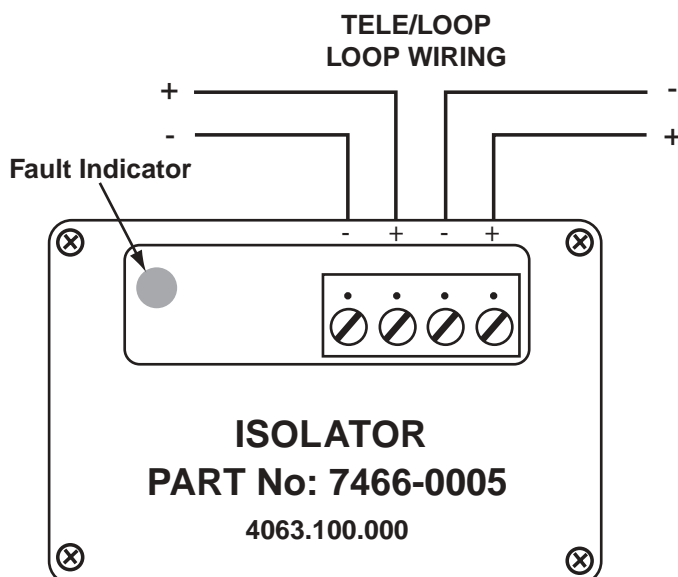
4.0 Loop Circuits

The following recommendations apply specifically to EASICHECK™ loop circuits:

- The EASICHECK™ Panel is a one loop Addressable emergency lighting test system.
- The loop circuit has provision for a maximum of 250 SCAEL Interfaces.
- Each SCAEL Interface has it's own individual address which can be programmed by using the EASICHECK™ programmer.
- The recommended cable should be used for the loop circuit. (see Cable Types section)
- The total length of cable in the loop circuit should not exceed 2km (including all spurs)
- Since SCAEL Interfaces receive/send signals in either direction, a complete loop or ring circuit is preferred (see diagram) so they continue to function if an open circuit occurs.
- Isolator units can be installed at intervals throughout the circuit to prevent a short circuit fault disabling the complete loop.
- It is important to check the voltage drop to ensure the supply to any SCAEL Interface does not fall below 15V DC.

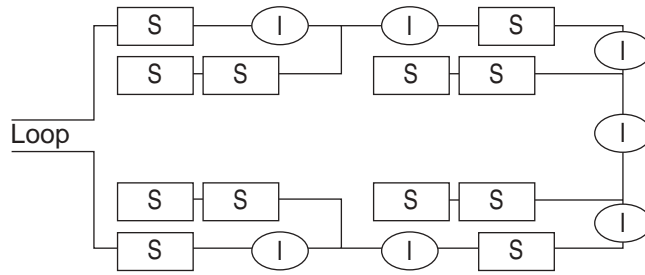
4.1 Isolators

For spur circuits, it is preferable for circuit integrity to fit an isolator at each spur. For loop circuits it is preferable to fit an isolator every 15 to 20 fittings

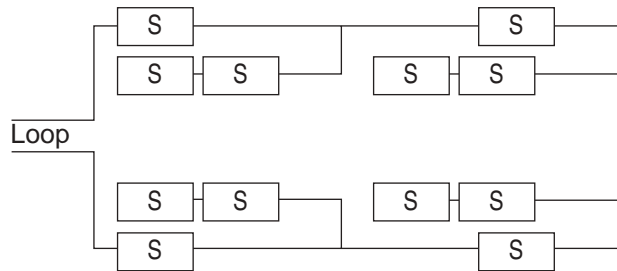


Note: Unlike the SCAEL Interfaces, the loop polarity must be observed.

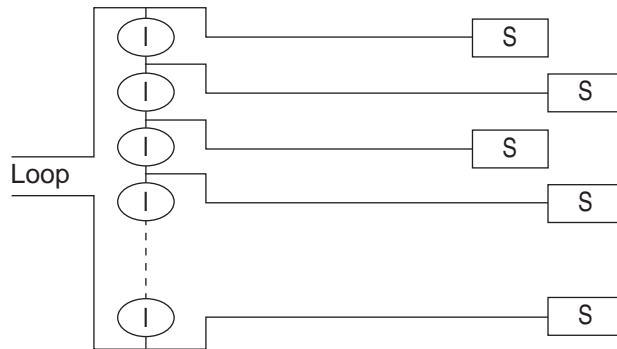
Mixed Loops with Spurs (+ Isolators)



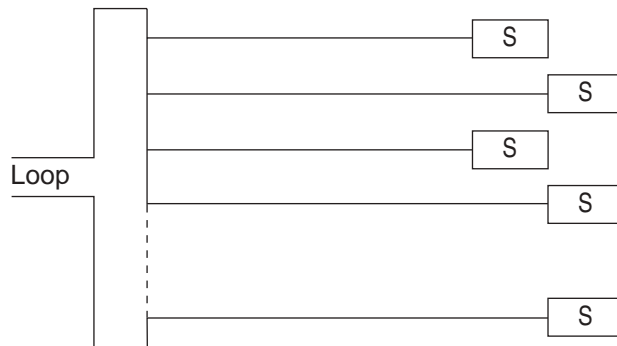
Mixed Loops with Spurs (No Isolators)



Radial (+ Isolators)



Radial (No Isolators)



I = Isolator, S = SCAEL Interface

Cable type	:	Two core or screened
Recommended size	:	1.0 to 2.5mm ² (see Volt drop calculation)
Maximum Resistance	:	40 Ohms
Maximum Capacitance	:	2.0 μF / km
Maximum cable length	:	2 km (see Volt drop calculation)

5.1 Cable Length - Voltage drop

5.1.1 Spur Circuit.

Make sure that the minimum voltage at the furthest point of the spur exceeds 15 Volts alternatively the maximum voltage drop on the cable should be less than 10 Volts.

Calculation for Voltage Drop

$$V_{drop} = R \times I \times n \quad (\text{Volts}) \quad (1)$$

Re-arranged equation (1)

$$R = V_{drop} / I \times n \quad \Omega \quad (2)$$

n= Number of fittings or addressable interfaces on the spur

I = Average Current of an addressable interface in the fitting = 0.0012 Amps

R = Cable cold resistance (go and return) Ω

Vdrop not to exceed 10 Volts

This resistance will vary depending on the size of the cable as shown below;

Size	Cold Resistance Single Core	Cold Resistance Go and Return
1.0 mm ²	18.1 Ω/km	36.2 Ω/km
1.5 mm ²	12.1 Ω/km	24.2 Ω/km
2.5 mm ²	7.4 Ω/km	14.8 Ω/km

Table 1.0

Therefore for worst case condition, the maximum cable resistance R (max) is;

$$R(\text{max}) = 10 / I \times n = 10 / 0.0012 \times n = 8333.33 / n \quad \Omega \quad (3)$$

Example 1 If a spur has 250 fittings , using equation (3) the maximum cable resistance is.
 $R(\text{max}) = 8333.33 / 250 = 33.3 \Omega$

Example 2 If the spur is wired with 1.0 mm² cable, using the go and return column of table 1, the Max cable length will be $33.3/36.2 = 0.9$ Km , for 1.5 mm² the Max cable length is $33.3/24.2 = 1.38$ Km and finally for 2.5 mm² the cable length is $33.3/14.8 = 2.25$ Km.

5.1.2 Loop Circuit;

Calculation as above but assume the loop is broken at one end.

5.1.3 Loop with spurs;

Calculate all individual spurs including maximum return to Panel.

Example 3

As the above example with 250 fittings and using 10 spurs, each having 25 fittings with a main loop length of 100 Metres as shown in Fig1.

Assuming worse case with all load lumped in one place, the maximum distance of each spur using (Equation 1) will be;

$$V_{drop} = [R_L \times n \times I] \times [R_{spur} \times n_s \times n_{fs} \times I] \quad (4)$$

Where R_L = Main Loop cable resistance as shown on Fig 1.
 n = Total number of fittings on the loop.
 I = Average current of an addressable interface = 0.0012 A
 R_{spur} = Spur resistance
 n_s = Total number of spurs
 n_{fs} = Total number of fittings per spur

Re-arrange (Equation 4) so that the spur resistance is;

$$R_{spur} = \frac{V_{drop} - [R_L \times n \times I]}{n_s \times n_{fs} \times I} \quad (5)$$

a) If the loop and spurs are wired with 1.0mm² cable and allowing for maximum permissible voltage drop with reference to table 1;

$$R_{spur} = \frac{10 - [3.62 \times 250 \times 0.0012]}{10 \times 25 \times 0.0012} = 29.7\Omega \quad (6)$$

This corresponds to a maximum spur cable length of 0.820 km

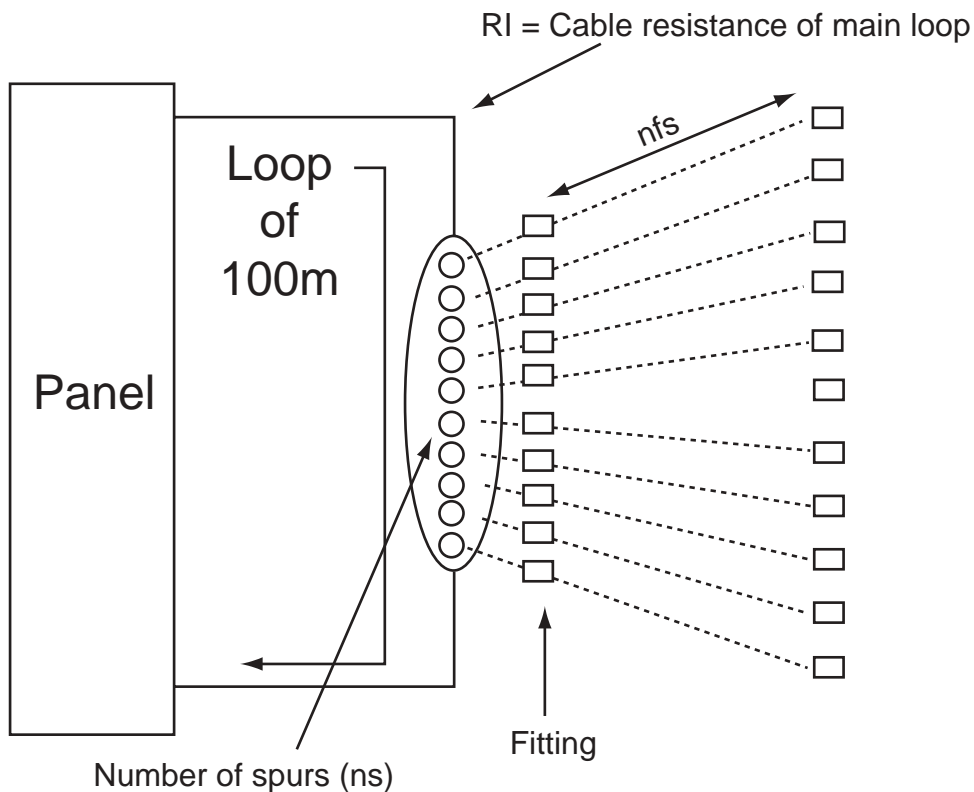
Hence, the total system cable length is 8.3km compared to 0.9 km for a loop system **(see example 2)**

b) Similarly, if the system is wired using 1.5mm² cable and following the above rules;

$R_{spur} = 30.9\Omega$, This corresponds to a maximum spur cable length of 1.27km

Hence, the total system cable length is 12.8 km compared to 1.38 km for a loop system **(see example 2)**

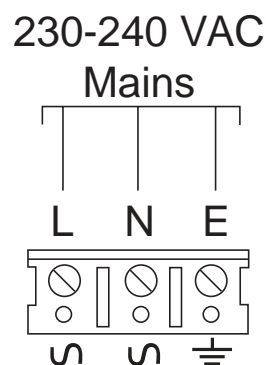
Fig. 1



- Normal supply for the system should be derived from the public supply system.
- When no public supply is available, privately generated power may be used.
- The standby battery provides 3.2Ah which will maintain the system in operation for at least 6 hours upon a Mains failure.

The EASICHECK™ draws a maximum of 1 Amp from the 230V mains supply, wiring used should be adequate for this load, and should be marked **'EMERGENCY LIGHT SYSTEM, DO NOT SWITCH OFF'**.

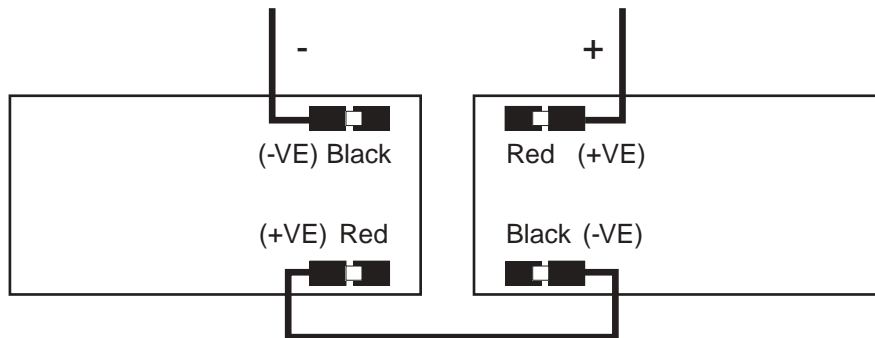
A plug and socket is not satisfactory. The mains supply should be connected only to the terminal block marked **'230V'**, this can be found on the top left hand side of the power supply board.



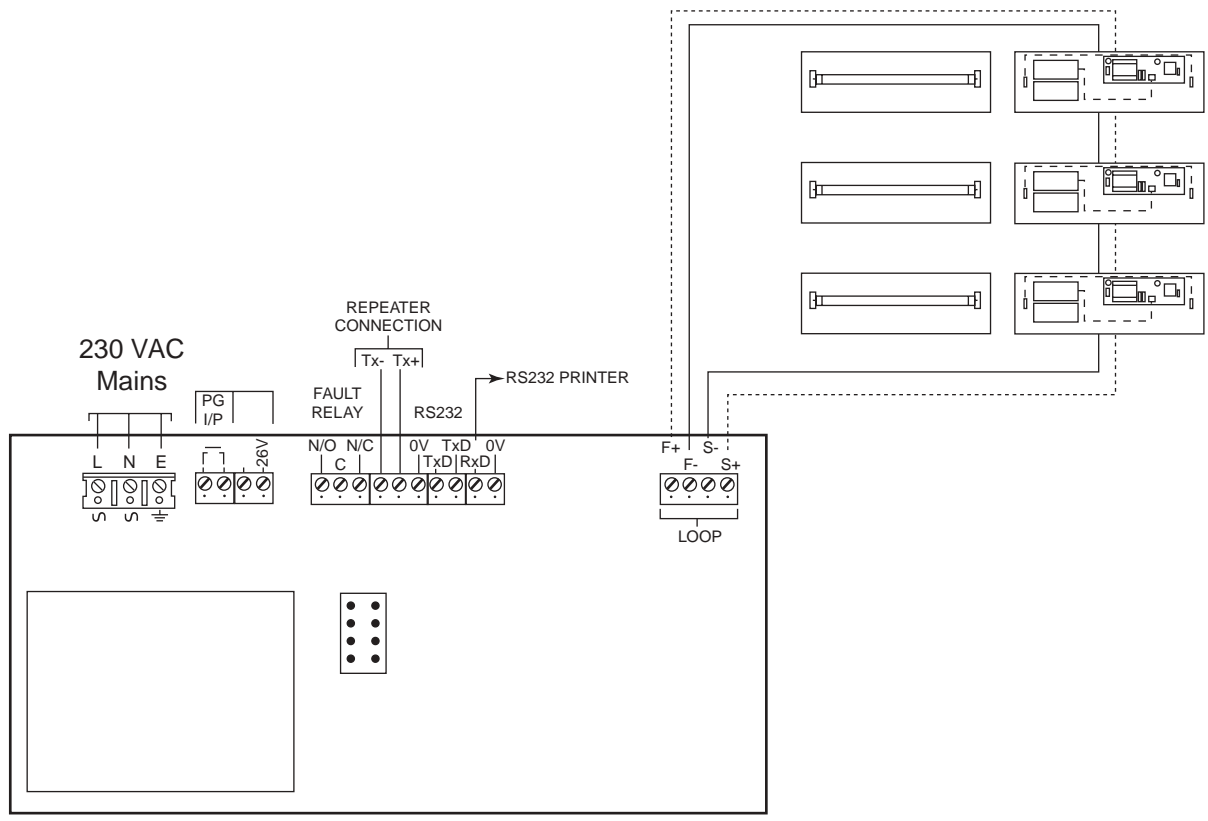
Note: Using a switched DPST spur provides a method of isolating the Mains supply for maintenance purposes.

6.1 Battery Connection

The two 12V Batteries are connected together in series. The Red wire from the EasiCheck is connected to the Red terminal of one of the Batteries, the link wire is then fitted to the Black terminal of that Battery, the other end of the link wire is fitted to the Red terminal of the other Battery, then finally the Black wire from the EasiCheck is connected to the unconnected Black Battery terminal.



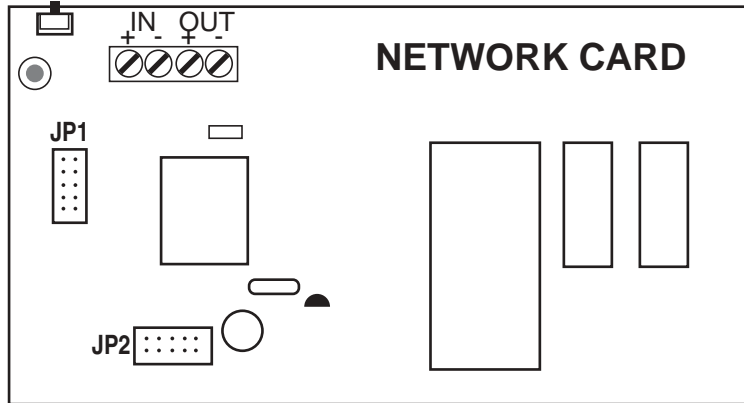
Connect all SCAEL Interfaces to the EASICHECK™ Panel by means of the TELE/LOOP connections. There are two connections (loop in & out on +). Interfaces are not polarity sensitive;



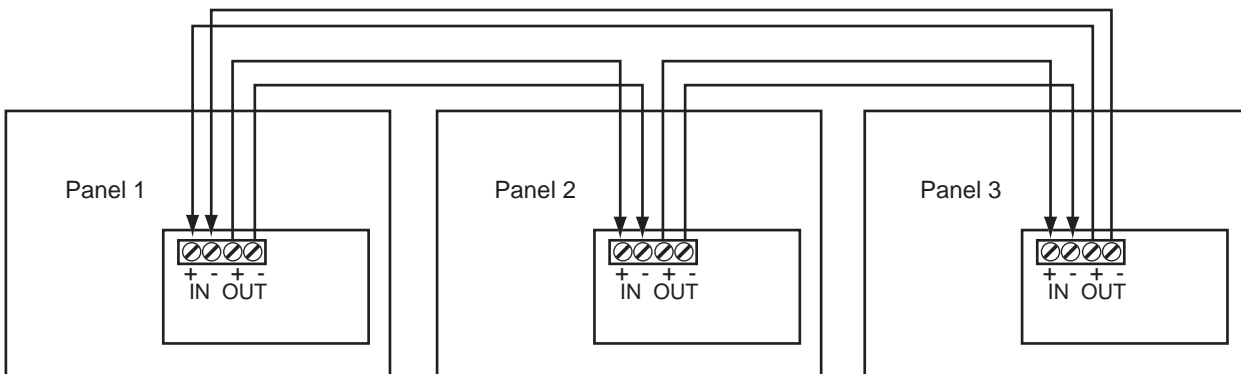
8.0 Networking

The EASICHECK™ can be fitted with an optional Network card for which there is already a reserved socket. This is a PCB that simply plugs on to the Power Supply Board and has four connections. These four connections wire to other Panels fitted with Network cards in a loop configuration (two in, two out). All Panels connected in this manner will be fully operational and any Panel will control the system from its keypad. Once a network card has been fitted its address number must be set.

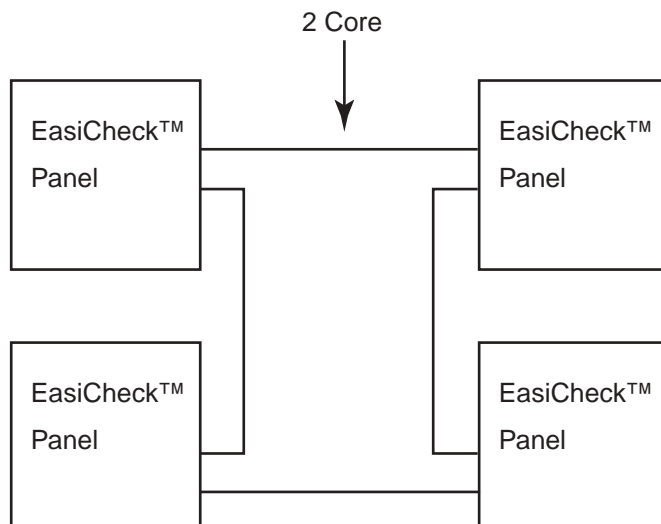
Network Card;



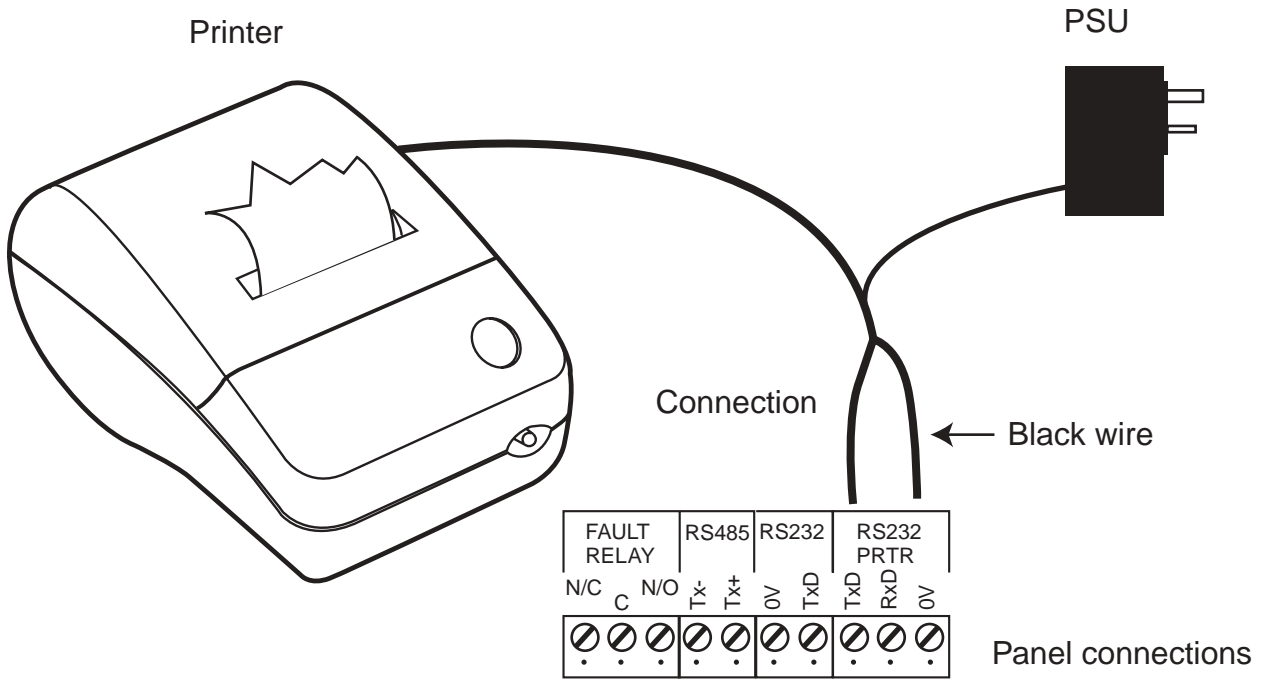
Network sample wiring;



Network interconnections;



8.1 Printer Connections.



The Printer enables the user to printout Weekly test reports, Full Reports and the Event Log as needed.

9.0 Main Panel Operation

There are two modes of operation;

1. **Autolearn mode;** System automatically searches for all SCAEL Interfaces connected to the loop.
No text is available in this mode. This mode can be used for initial checking.
(Note: SCAEL Interfaces must be programmed)
2. **Commissioned Mode;** The Panel is re-commissioned using a PC to download Address, Group, type of luminaire, Number of Cells, Duration, Descriptive address text for each fitting and Test times.

9.1 Initial Power Up (Autolearn Mode)

Switch Mains power on and connect Batteries

After an initial test the display will show;

WAITING FOR THE MASTER TO TRANSMIT THE
NUMBER OF FITTINGS INSTALLED

At this point the system is checking to see how many SCAEL Interfaces are connected.

After a short period the display will show for example;

SYSTEM HEALTHY ! No of FITTINGS= 198
DATE : dd/mm/yy TIME : 10:07:58

The system is now ready for limited use without descriptive text for the location.

9.2 Commissioning

In order for the display to show user chosen specific text, the Panel must be Commissioned by a Cooper Lighting and Security Service Engineer using a PC to download the required descriptive text;

To Re-Commission, enter the Engineer Passcode.

The display will show;

1: TIME 2: DATE 3:TEST SCHEDULE
4: RE-COMMISSION 5: QUIT

Press **4**, the display shows;

ARE YOU SURE YOU WANT TO RE-COMMISSION ?
PRESS 1 FOR YES PRESS 5 FOR NO

Press **1**, the display shows;

ATTENTION !!! THIS WILL ERASE ALL DATA !
PRESS 1 FOR CONTINUE PRESS 5 FOR ABORT

Press **1**.

The display will light all LEDs in turn and then the display will show;

TRANSMIT TEXT WITH PC PRESS 1
NO TEXT AVAILABLE PRESS 2

Press **1**, the display will show;

PLUG PC INTERFACE UNIT INTO THE EASICHECK
WITH PC READY TO TRANSMIT

See Downloading section (Page 25)

9.3 Setting the Time & Date

Setting The Time;

Enter the Engineer Passcode.

The display will show;

1:TIME	2:DATE	3:TEST SCHEDULE
4:RE-COMMISSION	5: QUIT	

Press **1**, the display will show;

TIME = HH:MM:SS TO UPDATE PRESS				
1:SECS	2:MIN	3:HOUR	4:TENS	5:QUIT

Press **1**, **2**, **3** or **4** to adjust the current time.
Upon completion, press **5** to exit the menu.

Setting The Date;

Enter the Engineer Passcode.

The display will show;

1:TIME	2:DATE	3:TEST SCHEDULE
4:RE-COMMISSION	5: QUIT	

Press **2**, the display will show;

DATE = DD/MM/YY DAY OF WEEK: THURSDAY				
1:DAY	2:MONTH	3:YEAR	4:D.O.W	5:QUIT

Press **1**, **2**, **3** or **4** to adjust the current date.
Upon completion, press **5** to exit the menu.

9.4 Test Schedule

Enter the Engineer Passcode.

The display will show;

1:TIME	2:DATE	3:TEST SCHEDULE
4:RE-COMMISSION	5: QUIT	

Press **3**, the display will show;

1:WEEKLY TEST	2:NETWORK ADDRESS
3:VIEW GROUP TEST	5:QUIT

Note: After each menu has been accessed, the passcode will have to be re-entered

9.4.1 Weekly Test;

Press **1**, the display will show;

WEEKLY TEST SET : TUESDAY AT 22.00 HRS				
1:DATE	2:HOUR	3:TENS	4:UNITS	5:QUIT

Press **1**, **2**, **3** or **4** to adjust the test day and time.

Once the time has been corrected, press **5** to exit the menu.

9.4.2 Network Address;

Press **2**, the display will show;

NETWORK ADDRESS IS : 032		
1:TENS	2:UNITS	5:QUIT

Press **1** or **2** to adjust the network address. (Set to 000 if No Network card is fitted)

Once the address has been selected, press **5** to exit the menu.

9.4.3 View Group Test;

Press **3**, the display will show;

SYSTEM IN AUTO-LEARN MODE!! ALL TESTING	
IS INITIATED MANUALLY	5:QUIT

Press **5** to exit the menu.

9.5 User Menu Options

Enable/Disable (Fittings);

Enter the User Passcode.

The display shows;

CODE ACCEPTED.	1:ENABLE/DISABLE
2:RESET 3:OTHERS	4:TEST 5:QUIT

Press **1**, the display shows;

1:ENABLE	2:DISABLE	3:DISABLE ALL
4:ENABLE ALL	5:QUIT	

Press **1** or **2**, the display shows;

TO ENABLE/DISABLE FITTING ### (PRESS 1)
2:HUNDREDS 3:UNITS 4:UNITS 5:QUIT

Press **2** and **3** to select the required fitting then press **1** to enable/disable it.
The display shows;

FITTING ### IS ENABLED/DISABLED
2:HUNDREDS 3:TENS 4:UNITS 5:QUIT

Repeat pressing **2** and **3** if further fittings require enabling/disabling.
Press **5** to exit the menu.

9.5.1 Enable / Disable All;

Enter the User Passcode.

The display will show;

CODE ACCEPTED.	1:ENABLE/DISABLE
2:RESET 3:OTHERS	4:TEST 5:QUIT

Press **1**, the display shows;

1:ENABLE/DISABLE	2:ENABLE ALL
3:DISABLE ALL	5:QUIT

Press **2** or **3**, the display shows;

ALL FITTINGS IN THE LOOP ARE ENABLED/DISABLED EXIT (PRESS 5)

Note: If Disable is selected, the disable LED illuminates and buzzer sounds once.

User Menu Options continued...

9.5.2 Reset the Panel;

Enter the User Passcode.

The display will show;

CODE ACCEPTED.	1:ENABLE/DISABLE		
2:RESET	3:OTHERS	4:TEST	5:QUIT

Press **2**, the display shows;

RESET ACTIVATED

All LEDs light up in turn and then switch off.
The Panel returns to normal.

9.5.3 Print Options;

Enter the User Passcode.

The display will show;

CODE ACCEPTED.	1:ENABLE/DISABLE		
2:RESET	3:OTHERS	4:TEST	5:QUIT

Press **1** the display shows;

1:V/I READINGS	2:LED TEST
3:PRINT	5:QUIT

Press **3** the display shows;

1:FITTING STATUS	2:WEEKLY TEST RESULT	
3:FULL DISCHARGE TEST	4:EVENT	5:QUIT

Ensure that the printer is connected and switched on.
press **1**, **2**, **3** or **4**, the selected printout will be generated.

Example Event Log

```
-----  
COOPER LIGHTING    !!    EASICHECK  
DATE : 07/05/02  
TIME : 10:07:58  
-----
```

EVENT LOG

```
-----FAULT EASICHECK PANEL-----  
CHARGER !!! CHECK BATTERY/MAINS  
DATE : 07/05/02 TIME : 10:06:00  
-----
```

FAULT

```
LAMP  ADD:001  V=03.82  I=0.11  
DATE : 07/05/02 TIME : 10:04:33  
-----FAULT EASICHECK PANEL-----
```

```
SYSTEM REBOOT  !!  
DATE : 07/05/02 TIME : 09:59:43  
-----
```

Weekly Test Result

```
-----  
COOPER LIGHTING    !!    EASICHECK  
DATE : 07/05/02  
TIME : 10:07:58  
-----
```

```
TEST RESULT  !!!  WEEKLY TEST AT  
DATE : 07/05/02 TIME : 09:55:59  
-----
```

ADD	GP	CELLS	DUR	V	I
001	01	---	--	03.65	-1.07

9.5.4 Discharge Test;

Enter the User Passcode.

The display will show;

CODE ACCEPTED.	1:ENABLE/DISABLE
2:RESET 3:OTHERS	4:TEST 5:QUIT

Press **4**, the display shows;

1:DISCHARGE TEST	2:ALL IN CHARGE
	5:QUIT

Press **1**, the display shows;

DURATION OF TEST !!	1: FIVE MINUTES
2: ONE HOUR 3: THREE HOURS	5:QUIT

Press **1**, **2** or **3**, the display shows;

DO YOU WANT TO TEST	1: ALL FITTINGS
2: SINGLE FITTING	3: GROUPS 5:QUIT

If **1** is selected, the panel returns to normal display and starts test.

If **2** is selected, the display shows;

TO TEST FITTING ### (PRESS 1)
2: HUNDREDS 3:TENS 4:UNITS 5:QUIT

Press **2** or **3** to select the required address number.

Press **1**, the display shows;

TESTING FITTING ### FOR MORE PRESS
2: HUNDREDS 3:TENS 4:UNITS 5:QUIT

Press **2** or **3** to select another fitting then press **1** to test.

Press **5** to return to normal.

If **3** is selected, the display shows;

TO TEST GROUP # !! PRESS 1 FOR YES
UP: 2 DOWN: 3 QUIT : 5

Press **2** or **3** to select the required group.

Press **1**, the display shows;

TESTING GROUP ### FOR MORE PRESS
UP: 2 DOWN: 3 QUIT : 5

Press **2** or **3** to select another group.

Press **5** to return to normal.

9.5.5 LED Test (on the fitting)

Enter the User Passcode.

The display will show;

CODE ACCEPTED.	1:ENABLE/DISABLE
2:RESET 3:OTHERS 4:TEST 5:QUIT	

Press **5**, the display shows;

1:V/I READINGS 2:LED TEST
3:PRINT 5: QUIT

Press **2**, the display shows;

1:TEST LED AMBER
2:LED NORMAL GREEN 5:QUIT

Press **1** or **2** the LED changes colour.

Press **5** to return to normal.

9.5.6 V(Voltage) / I(Current) Display;

Enter the User Passcode.

The display will show;

CODE ACCEPTED.	1:ENABLE/DISABLE
2:RESET 3:OTHERS 4:TEST 5:QUIT	

Press **5**, the display shows;

1:V/I READINGS 2:LED TEST
3:PRINT 5: QUIT

Press **1**, the display shows;

TO SELECT FITTING ### (PRESS 1)
2:HUNDREDS 3:TENS 4:UNITS 5:QUIT

Press **2** or **3**, to select;

Press **1**, the display shows;

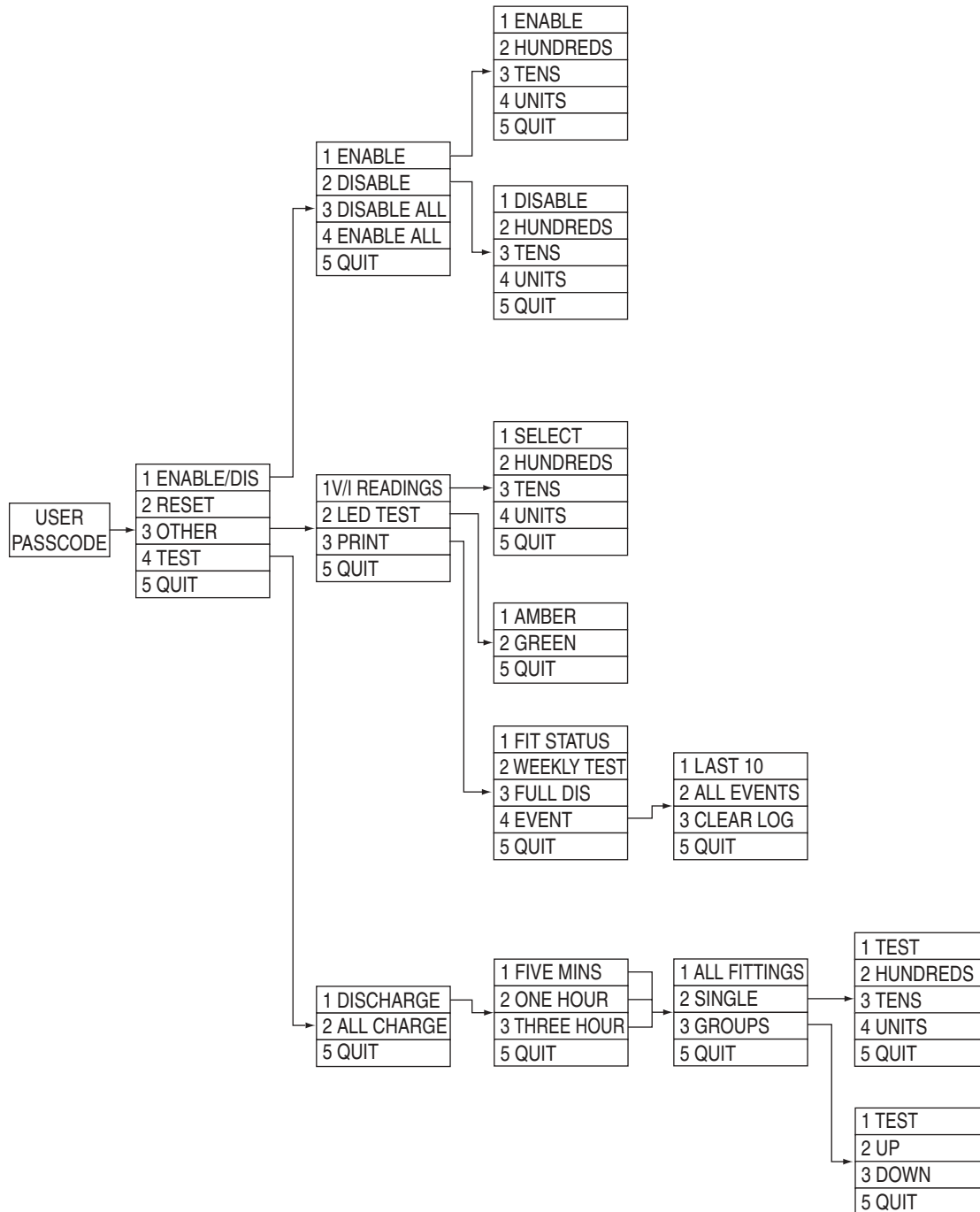
THE BATTERY V AND I OF ADD: ###
WILL BE DISPLAYED IN A MOMENT

After a short while, the display shows;

BATTERY VOLTAGE AND CURRENT OF ADD: ###
VOLT = 04.04 CURR = +0.21 QUIT (PRESS 5)

Press **5** to return to normal.

EASICHECK™ Control Panel
 User Menu Structure
 Self-Contained



NOTE: During fault conditions the buzzer may be muted by pressing button 4>
 Multiple faults may be viewed by pressing button 5 only when the scroll Led is flashing.

10.0 Up/Downloading using PC Software (Commissioning Engineer Operation)

The PC software enables the address, location text, luminaire type and any comments to be downloaded to the EASICHECK™ Panel. Each luminaire can be assigned to a group for testing purposes.

The software can download to all 64 networkable Panels.

The PC is connected to each Panel on the network in turn. All data for that Panel is downloaded.

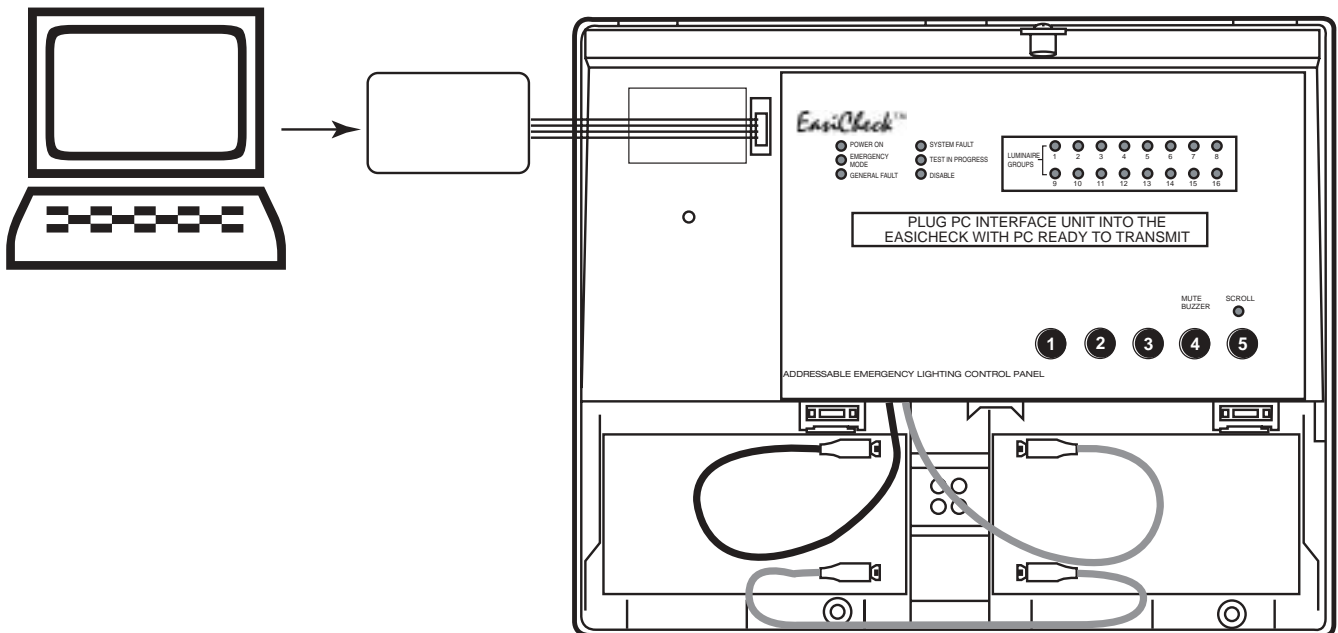
The PC software allows copying of Group or Panel for cases where a floor or level has been copied.

Site details on screen include full postal address, post code, telephone number etc. And any additional remarks.

The testing schedule can be set from a pre-set menu or a custom setting.

For networked systems, panels are identified by panel number, P1, P2 etc.

10.1 Connection Information



Site Configuration.

Address	Group	Type	Area/Location	Comment
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Site Configuration continued.

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Site Configuration continued.

Address	Group	Type	Area/Location	Comment
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Site Configuration continued.

Address	Group	Type	Area/Location	Comment
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Site Configuration continued.

Address	Group	Type	Area/Location	Comment
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12.0 Group Testing

Group	Time	Day	Month
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13.0 Weekly Test

Time	
Day Of Week	

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