

# SMARTCOM<sup>2</sup> LCD SCREEN RECOVERY PROCEDURE.



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**WARNINGS**

All installations should be in accordance with the relevant requirements of Building Regulations, Local Authority Byelaws and I.E.E. Regulations and Units should be wired by a competent, qualified Electrician.

## General information.

Under normal operating conditions, when mains power to the controller is interrupted, the clock will operate normally for seven days after which it will stop. The built-in battery will continue to back up the program information for the

life duration of the cell. If, however the battery is removed and allowed to power down, all user programming will be removed and replaced by a manufactures default setting.

If the LCD screen display appears 'blank' or 'freezes' during programming, power to the SmartCom<sup>2</sup> will have to be removed to allow for the default settings to be recovered.\*

In such a scenario, the lithium coin cell must be removed from the controller for a period of time.

The information contained in this technical bulletin is designed to aid a qualified or competent service technician in the instruction it is intended for.

\* Assuming ribbon cable connections has previously been checked for wear and connections are correctly made to both the pcb's

## Tools required.

The following tools and equipment will be required to complete this task:

1. Small pozi-head screwdriver

2. Electrical screwdriver
3. SmartCom Owners manual
4. New Battery (if required)

## Step by step instructions.

**! ENSURE ALL ELECTRICAL SUPPLY TO THE HEATER AND THE SMARTCOM<sup>2</sup> CONTROL PANEL ARE ISOLATED BEFORE PROCEEDING.**

Using a small electrical screwdriver, carefully remove the 4 plastic fixing plugs located at each corner of the front cover. Retain for later.

Using a small pozi head screwdriver, remove the 4 retaining screws. Retain for later.

Carefully lift the front cover and unplug the ribbon cable from the power PCB assembly in the base unit.

The battery is located on the pcb board on the reverse side of the controller lid.

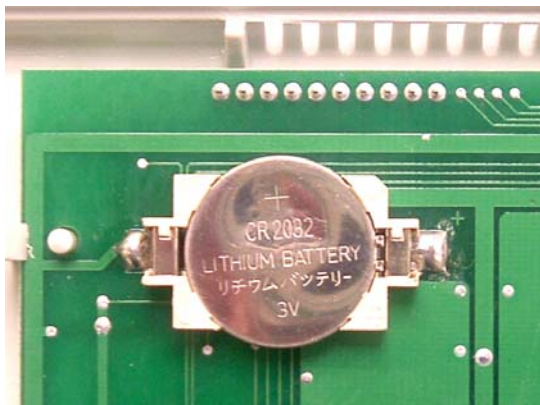


fig.1 battery location

Using a small electrical screwdriver, carefully prise upwards and remove the battery.

Leave the battery out for at least 60 seconds. This will delete any user programming and reset the controller.

Refit the battery (or new battery is necessary)

Carefully re-fit the front cover by connecting the ribbon cable from the power PCB assembly in the base unit.

Using a small pozi-head screwdriver, re-fit the 4 fixing screws retained from earlier.

Refit the four plastic fixing plugs retained from earlier.

Turn the mains isolator back on.

Refer to the SmartCom<sup>2</sup> User Manual if further settings are required

### Battery specifications

Reference: CR2032  
Type: Lithium coin cell  
Voltage: 3.0V  
Service life: app. 5 years  
Width: 20mm  
Thickness: 3.2mm

Also known as: DL2032, BR2032, KL2032, ECR2032, 5004LC, KCR2032, ECR2030, KECR2032, SB-T15, L14



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