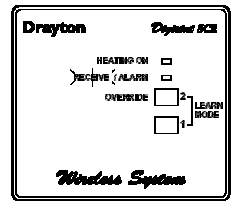


Drayton

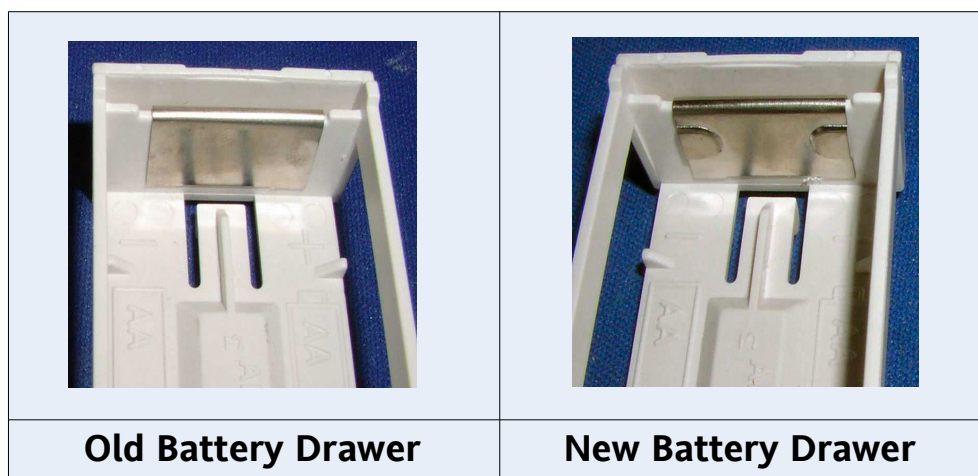


Digistat RF Troubleshooting Procedure

This data sheet is intended to help you resolve any problems you may be encountering with the operation and use of the Drayton Digistat RF range of products.

Please follow the below steps before contacting Drayton regarding faulty product.

Enclosed you will find replacement battery drawers with a new contact arrangement as per below:



1) - Replace old battery drawers with the new battery drawers

A) To replace drawers, remove digistat from wall by loosening screw underneath The Digistat RF *transmitter*.

B) Pull down both battery drawers until fully extended

C) Remove batteries from drawers

D) Push battery drawer away from you until drawer drops out of unit

Installation of *new* battery drawers:

A) Insert battery drawer and push until drawer clicks into position

B) Insert new batteries, ensuring they are **type AA - Alkaline** batteries

C) Close Drawers

Drayton

2) - The system needs to be fully re-commissioned.

Follow the procedure below to begin the commissioning of the system.

Commissioning the Digistat R.F. System

- A) Pull down battery drawers from Digistat unit and allow screen to go completely blank
- B) Turn off the power supply to the SCR receiver unit and leave for 5 seconds
- C) Turn on power to SCR unit and check red light is on
- D) Put the SCR unit into its manual override mode by pressing the override button No.2 once. Check the green light comes on and that the boiler fires (Do not press again)
- E) Now, Press & hold down button No.1 (Keep depressed), then press No.2 and keep depressed
- F) The Red LED light will flash a couple of times and then it will go out
- G) Now release both the buttons – {the two LED lights should come back on}
- H) Get the Digistat transmitter unit and stand two metres away from the SCR unit with the Digistat unit in your hand
- I) Slide in the right hand battery drawer (under the “Plus” button) first
- J) Slide in the left hand battery drawer (under the “Minus” button) second
- K) The Red LED light will now flash for approx. 7 seconds to tell you that the two units are communicating.

Put the Digistat unit back on the wall

Drayton

3) - When commissioning is finished Successfully:

If commissioning is successful, it is always best to check that the digistat transmitter is placed in the optimum position for transmission of the signal to the SCR Receiver. In order to do this, it is important to follow the “Signal Strength Quality Test” instructions below:

- A) Open the left hand battery drawer (draw under “minus (-)” button
- B) Wait for the screen to fade (Pressing the “+” or “-“ buttons alternately will speed this process up)
- C) With the “+” button held down re-power the transmitter by sliding the left hand battery drawer back into the unit
- D) Observe the red LED light on the Digistat SCR unit
- E) The LED should be blinking with two steady short pulses and then no light for a second and this should keep repeating itself nice and steadily. Any missed or erratic pulses imply that there is a fault with the signal path. Try changing the position of the transmitter and see if the quality of the signal improves.
- F) Once you have established the preferred position for the digistat transmitter, affix to wall or suitable location and see next step.
- G) After carrying out this test you will need to pull down the left hand battery drawer again and wait until the screen fades again and then re-commission the units (**See Section 2**)

After you have tried these three pointers, if you are still experiencing problems with the units please do not hesitate to contact us on 0845 130 7722

Drayton RF Digistat SCR (Single Channel Receiver) Fault Finding flow chart

Drayton

Data Sheet: S02

For Drayton RF Digistat SCR (Single Channel Receiver) only

Switch off mains power to SCR receiver
Check that the Digistat transmitter display is working and that the battery symbol is not showing in the display.
If it is then replace the batteries.

Turn on power to the SCR unit

Is the red LED light on?

No

Is there 240V at the live terminal on the SCR?

Check connection at mains & fuse

No

Yes

Press the override button

Has the green LED light come on?

No

Replace SCR unit

No

Has the boiler fired?

No

Is there 230V at boiler?

Yes

Boiler problem - speak to installer

Yes

Press override again to turn boiler off

You have now established that the SCR unit is switching correctly

Go to Digistat transmitter & press + button until the flame symbol appears

Is the red LED light on the SCR unit flashing?

No

Remove Digistat from wall stand about 2 metres away from SCR unit. Turn Digistat down until flame symbol goes out

Re-Commission Digistat - See instructions data sheet Digistat RF Wireless System 090 793

No

Have you re-commissioned Digistat unit?

Yes

Replace transmitter unit

Please see data sheet S03 - RF Transmitter flowchart

After 7 seconds has the red LED light gone off?

No

Yes

RF system is now working correctly

Is the red LED light on the SCR unit flashing?

No

Yes

Your original position was unsuitable. Re-locate Digistat transmitter

Drayton Digistat RF Transmitter

Wireless System Fault Finding Guide

Drayton

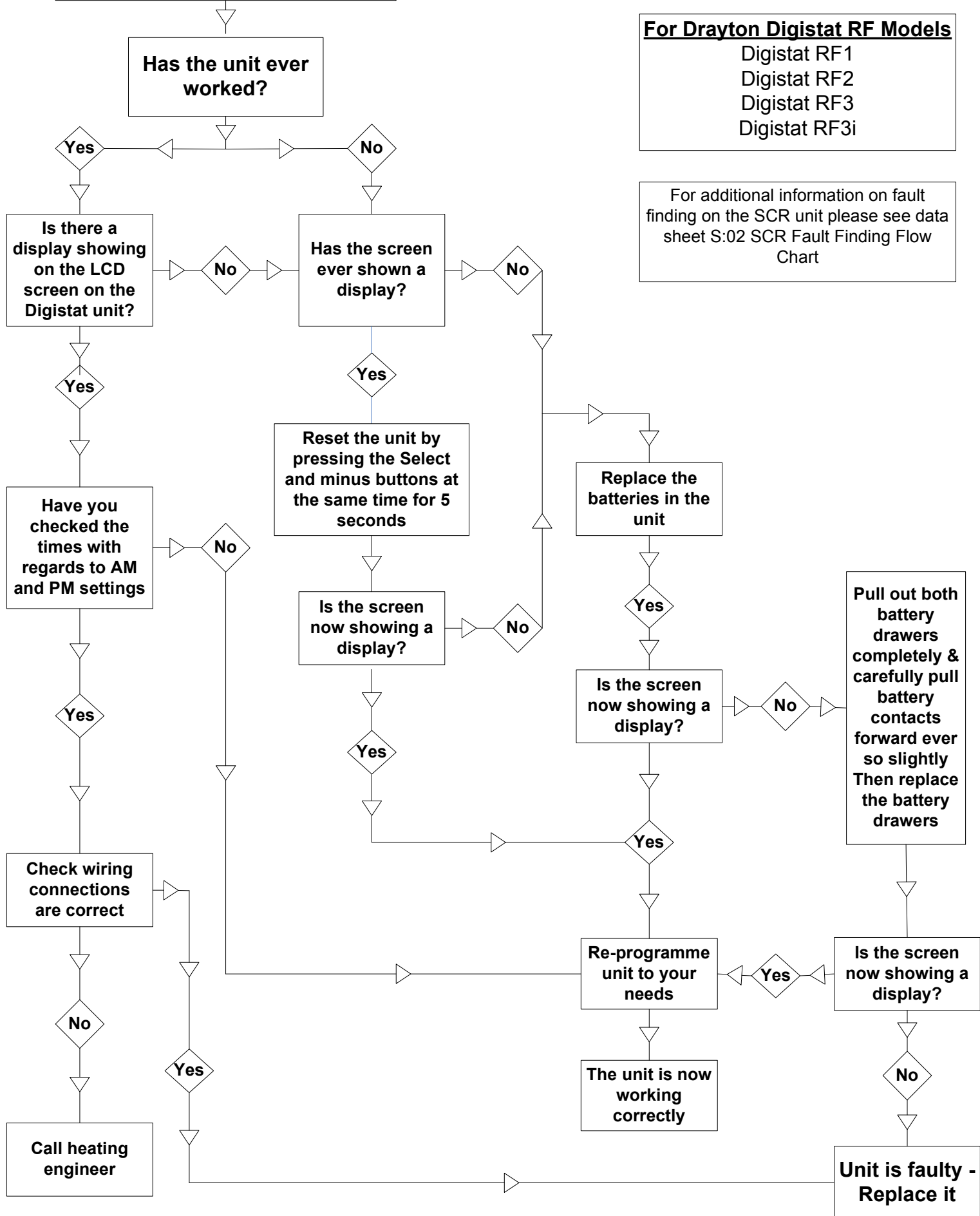
Data Sheet: S03

Proceed from data sheet S:02
Drayton RF Digistat SCR Fault
Finding Flow Chart

For Drayton Digistat RF Models

Digistat RF1
Digistat RF2
Digistat RF3
Digistat RF3i

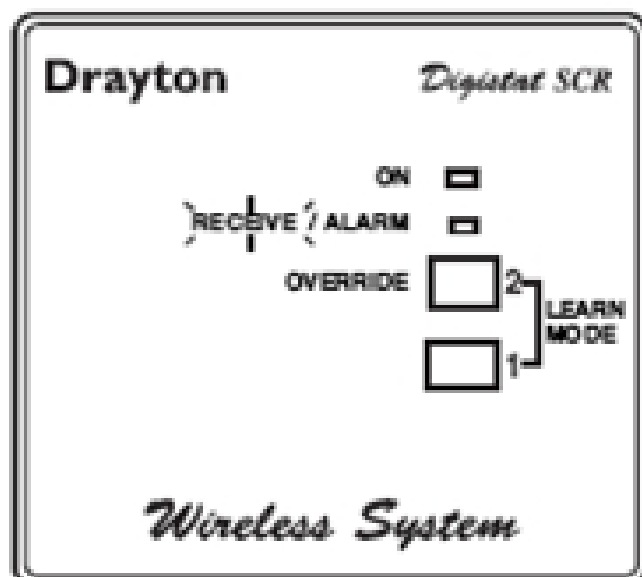
For additional information on fault
finding on the SCR unit please see data
sheet S:02 SCR Fault Finding Flow
Chart



INSTALLATION OF SCR RECEIVER

Read all installation and commissioning instructions before proceeding. Do not switch on until ready to commission.

The system wiring must be able to be fully disconnected from the mains supply by a switch incorporated in the fixed wiring having a contact separation of at least 3mm on both poles. Fused at 3A.



LOCATION

The Digistat SCR (receiver) should be mounted in a convenient position, near to the boiler or central heating system. It is recommended that the SCR is mounted on the wall nearest the final location of the Digistat+ programmable room thermostat and not less than 70cm from the boiler side panel.

Warning: Locating the SCR too close to the metal side panel or mains cable or on the wrong side of the boiler may interfere with the radio signal.

