



# Guard Switch Firmware Update – FAQ's

The following document aims to give guidance and answers on the Guard Switch and the recent firmware upgrade requirement.

## 1) What is the Guard Switch?

The Guard Switch is a safety interlock feature utilised in all of the Seaward Clare range of test equipment. It requires a closed loop in order for testing to progress.

As an example it is commonly linked to a switch on test enclosure lids to ensure the output from the tester is disconnected when the enclosure lid is open

## 2) What does the guard switch look like so that I can check if it is used?

The Guard switch is found at the back of the test unit, and is a small removable black 3 pin plug. It is connected to the device upon shipping into the corresponding port



Fig 1. Guard Switch Port

## 3) How is it connected?

The Guard Plug required as short in the two adjacent pins to ensure operation. Without the short between the pins, the Safecheck 08 will display a message upon start up as a warning that the switch is open.

By default all Guard Switches supplied by Seaward will have a short between the pins to allow tester operation, this can be checked by opening the Guard Plug by unscrewing the two casing screws and observing a wire link between the pins, as shown below;

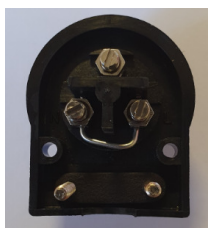




Fig 2. Guard Switch with wire link

#### **4) How do I know if I urgently need to upgrade?**

In the first instance, we would advise you check if there are any external connections into the Guard Plug, i.e. are there any wires that run into part of your installation from the Guard Plug? If so we recommend that you upgrade your firmware as soon as possible to ensure correct operation.

If the Guard Plug is in place with no external connections, and you are not receiving a warning message that the Guard Plug is in not connected upon start up, then the Guard is in its default condition and is not being utilised. In this instance we would still recommend an upgrade at your earliest convenience to ensure the SafeCheck 08 is in optimal condition for future use

#### **5) How do I upgrade my Firmware?**

We have included full instructions to Upgrade the firmware as a separate document contained within your firmware upgrade pack.