

06 March 2018

## Product Advisory: A134

**Part Number:** Various

**Description:** Flamgard Plus, TXgard Plus

**Issue:** Alarm Relay 2 Fault



A small number of detectors have failed commissioning tests due to the Alarm 2 relay not activating. The issue has been traced to a faulty component on the circuit board which should have been identified during the testing processes in the Crowcon production facility. Alarm 1 and Fault relays operate correctly. In this instance the status LED operates correctly; flashing red when the Alarm 2 threshold is breached and suggesting the relay has activated. It is essential therefore to verify the relay is operational.

As per normal commissioning practice; relay functions should be thoroughly tested to ensure that any associated alarms and/or shut-downs activate before relying on a gas detector to perform a safety function.

A proof-test interval should also be established on-site to ensure long term continued operation of the detector and its output functions. Crowcon recommends relay/alarm output functions are tested annually. A schematic diagram of the affected relay module is shown on the following page.

We advise that all detectors fitted with relays are tested on receipt of this notice, and if any relay failures are noted contact Crowcon as shown below.

Additional checks have been implemented at Crowcon to ensure that detectors and relay PCBs are thoroughly tested prior to despatch.

**Note: This issue only affects detectors fitted with the optional relay terminal PCB (product code S01847).**

For further information, please contact our Customer Support team:

Email: [customersupport@crowcon.com](mailto:customersupport@crowcon.com)

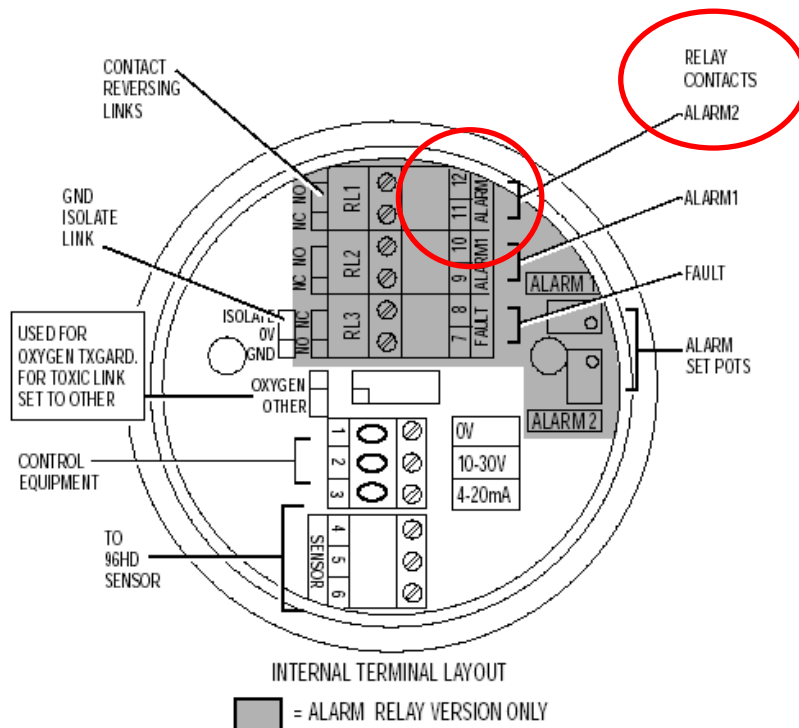
Telephone: +44 (0)1235 557711

We wish to thank you for your co-operation.

## Testing the Relay

Alarm 2 relay operation can be verified by checking the contact opens/closes at terminals 11/12 when the gas reading exceeds the alarm threshold. Correct activation of alarms and/or shutdowns is sufficient to prove the relay is operating correctly.

If the relay is to be checked directly, hazardous area procedures must be observed before opening the detector enclosure. Where possible detectors should be tested in a safe area, or where potential gas leak sources have been isolated and a hot-work permit has been issued.



Flamgard Plus & TXgard Plus Relay Module