

TYCO SAFETY PRODUCTS – FIRE DETECTION – ANZ REGION PRODUCT BULLETIN

F3200 GAS RELEASING PANEL CONTROLLER BOARD INTERMITTENT OPERATION CHANGE-OUT REQUIRED

A small number of recently manufactured F3200 gas releasing panels have exhibited intermittent microprocessor watchdog re-starts, lockups, and/or other malfunctions including spurious faults and false alarms. Note - a watchdog re-start is indicated by a WARM START or COLD START event in the history. Potentially-affected F3200 Controller boards have been identified as being manufactured between April 2007 (date code D07) and September 2009 (date code I09) inclusive.

BACKGROUND

The affected batches of Controller boards are fitted with an unmarked brand of square 68-pin IC socket which has the microprocessor plugged into it (Figure 1). This socket has been identified as the cause of the problem.



Figure 1 : Location of Microprocessor and 68-pin socket

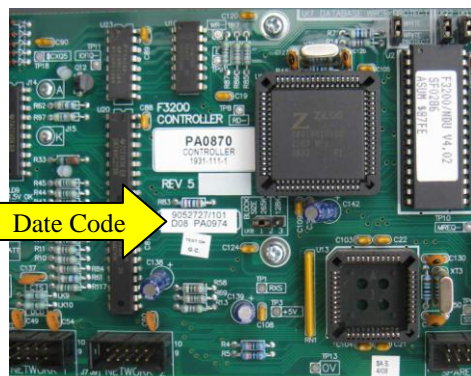


Figure 2 : Location and format of date code

The intermittent re-starting of the microprocessor has been reported to be temporarily fixed by removing, cleaning and re-inserting the microprocessor. This is not considered an adequate long-term fix for gas suppression control panels, and is not recommended as the problem may recur.

The location of the serial number and date code is shown by the arrow (9052727 and D08) in Figure 2.

The format of the date code is MYY, where M is the letter A-L for the month (A = January, L = December) and YY is the last two digits of the year, e.g., E09 is May 2009.

SOLUTION

Any F3200 Controller Boards from the affected batches (serial number date codes between D07 and I09 inclusive), **used in gas releasing applications, must be exchanged as soon as practicable**, through TSP's normal Returns Authorisation system – contact TSP Melbourne Customer Service on 03 9538 7220. The replacement part number is RPA0909.

Controller Boards:

- Labelled as “UPGRADED TO PBG0162” or “RPA0909”
- Serial numbered 9065142 or above,
- With a date code of October 2009 (J09) or higher,
- With a date code of C07, B07, A07, 2006 (x06) or earlier,

are not affected.

The replacement board comes with V4.04 firmware installed. This can be retained if the existing product has V4.xx already.

Full instructions for doing the field change-over are supplied with the replacement board, as LT0525.