

Available Now

Re:- Introduction of Micro Controller Zone Card.

We are delighted with the end result, as with new technology we have achieved a lot more facilities in the same space. This new zone card comes complete with its own special End of Line Unit that is fitted in the last zone device. It can be used with all our existing standard Fire Alarm Control Panels (see Upgrading).

Standard Facilities (All Switches OFF)

Open Circuit Zone Monitoring for FAULT :-
 Detector Removed Monitoring for FAULT :-
 Short Circuit Zone Monitoring for FAULT :-
 Open / Short Zone Monitoring for FAULT :-
 Alarm Condition Monitoring for FIRE :-
 Alarm Condition for FIRE :-
 System
 WatchDog (Auto Boot)

Condition Result

O/C Amber LED Steady.
 O/C Amber LED Pulsing.
 S/C White Amber LED Steady.
 Non Latching.
 No LED indication on Card.
 Latching (Panel Reset).
 Pulsing 3mm Green LED.
 Steady 3mm Green LED, (Panel Reset).

Optional Facilities (Switch Select)

1 ON Short Circuit Alarm Monitoring for FIRE :-
2 ON Special Function
3 ON Alarm Condition for FIRE :-
4 ON Open / Short Zone Monitoring for FAULT :-
5 ON Walk Test for FIRE & FAULT :-

No LED indication on Card.(pre 1988 BS3116)
 No Effect (Not Used).
 Non Latching.
 Latching (Panel Reset).
 S/C White Amber LED Pulsing, Tone Pips every

- a, Fire:** Sounders Pulse (Long). 1.5 Minutes.
only when alarm device has been cleared.
- b, Fault:** O/C & S/C - Sounders Pip (Short).
single Pip until condition is cleared.
- c, Fault:** Detector Removed - Sounders Pip (Short).
double Pip until condition is cleared.
Both O/C & S/C LED's pulse in turn.

(Auto Reset)

(Auto Reset)

Only when Low Loss Diodes Fitted to Bases

(Auto Reset)

6 ON Zone Isolate :-

Summary of Switches

<u>Switch</u>	<u>Status</u>	<u>OFF</u> (Standard)	<u>ON</u> (Optional)	<u>Condition Result</u>
1	Circuit Monitoring.	S/C Fault	S/C Fire	
2	Special Function	No Effect	No Effect	
3	Fire Condition	Latching	Not Latching	
4	Fault Condition	Not Latching	Latching	
5	Walk Test	OFF	ON	S/C White Amber LED Pulsing.
6	Zone Isolate	OFF	ON	Both O/C & S/C LED's pulse in turn.

Upgrade

To use this Micro Controller Zone Card on existing Standard Control Panels you must add a Panel capacitor 47uF @ 40V across terminals 6 & 8 on the common 10 way block, polarity is important "6" = Negative & "8" = Positive. No other changes or modification are required.

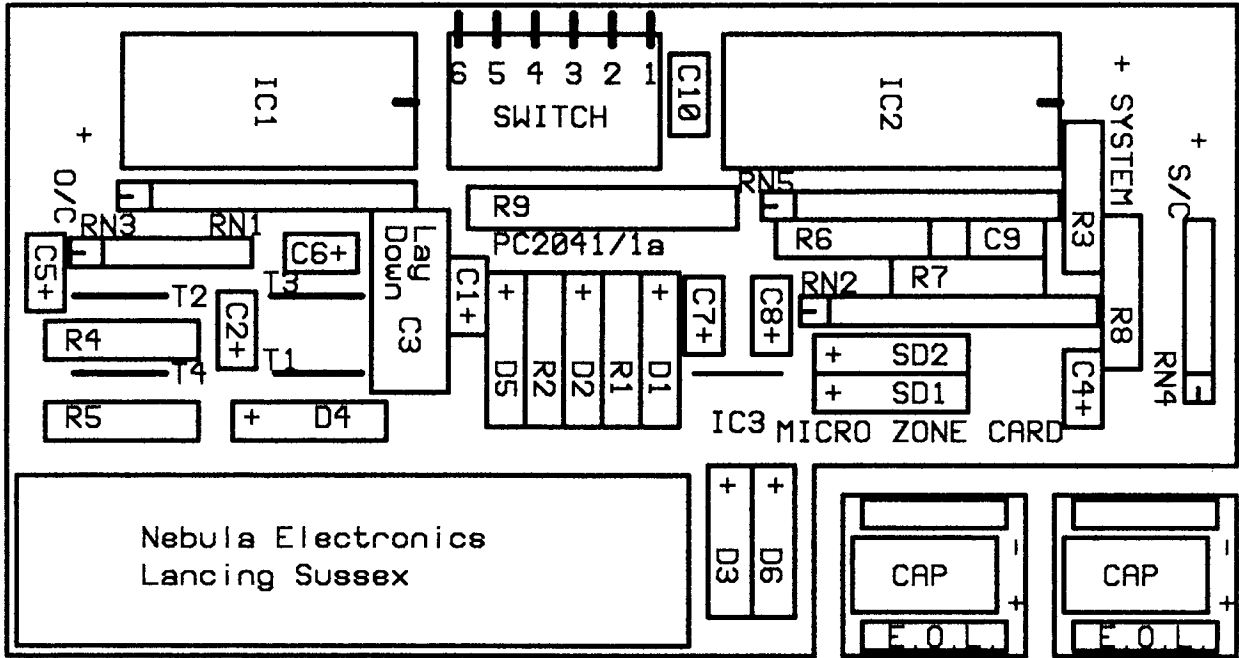
Note

The special "End of Line" module unit supplied with each micro zone card **MUST** be USED. you may, fit diodes to the detector bases, or not, the Zone Card will Auto detect if fitted. **WARNING.:** Check that all the manual call points still operate the Panel to ALARM when any or all the automatic devices are removed (See BS 5839 Part 1 1988 (6.6.2)). The manual Call Points should always operate the Fire Panel to ALARM as a minimum.

Regards,



Bob Jones (Tech Partner)



Silk Screen