PANIC ALARM

4 Zone Alarm System

User and Installation Guide

Pt. No. 600 - 110 (Panic Alarm Control Panel)

CE 2007

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Thank you for purchasing this **PANIC ALARM** control panel.

- The system provides a compact and efficient method for staff protection.
- anti-tamper zone circuits (10K EOL).
- The system is normally powered from the mains supply and does not use batteries.
- The unit can only be reset or isolated by means of a special key (two supplied)
- 3 additional sounders can be added to the system making it suitable for larger premises.
- Any reasonable fire/security or electrical installer can fit and look after the system for you.
- This alarm has been designed in a way that avoids confusion with an existing fire alarm system. This is by means of clear labels and different alarm tones.

Please check that you have the following items:

Contents

1. Four Zone main Control Panel (built-in sounder)
2. Set of 2 Keys (used to reset/isolate the alarm)
3. Pack of four 10K end-of-line resistors
4. Surface trunking adaptor
5. One double gang backbox

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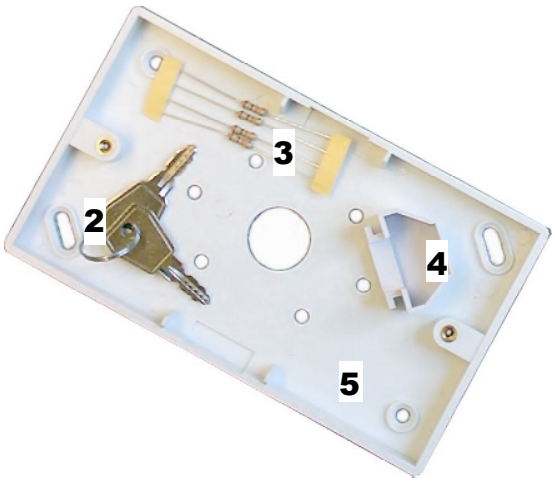


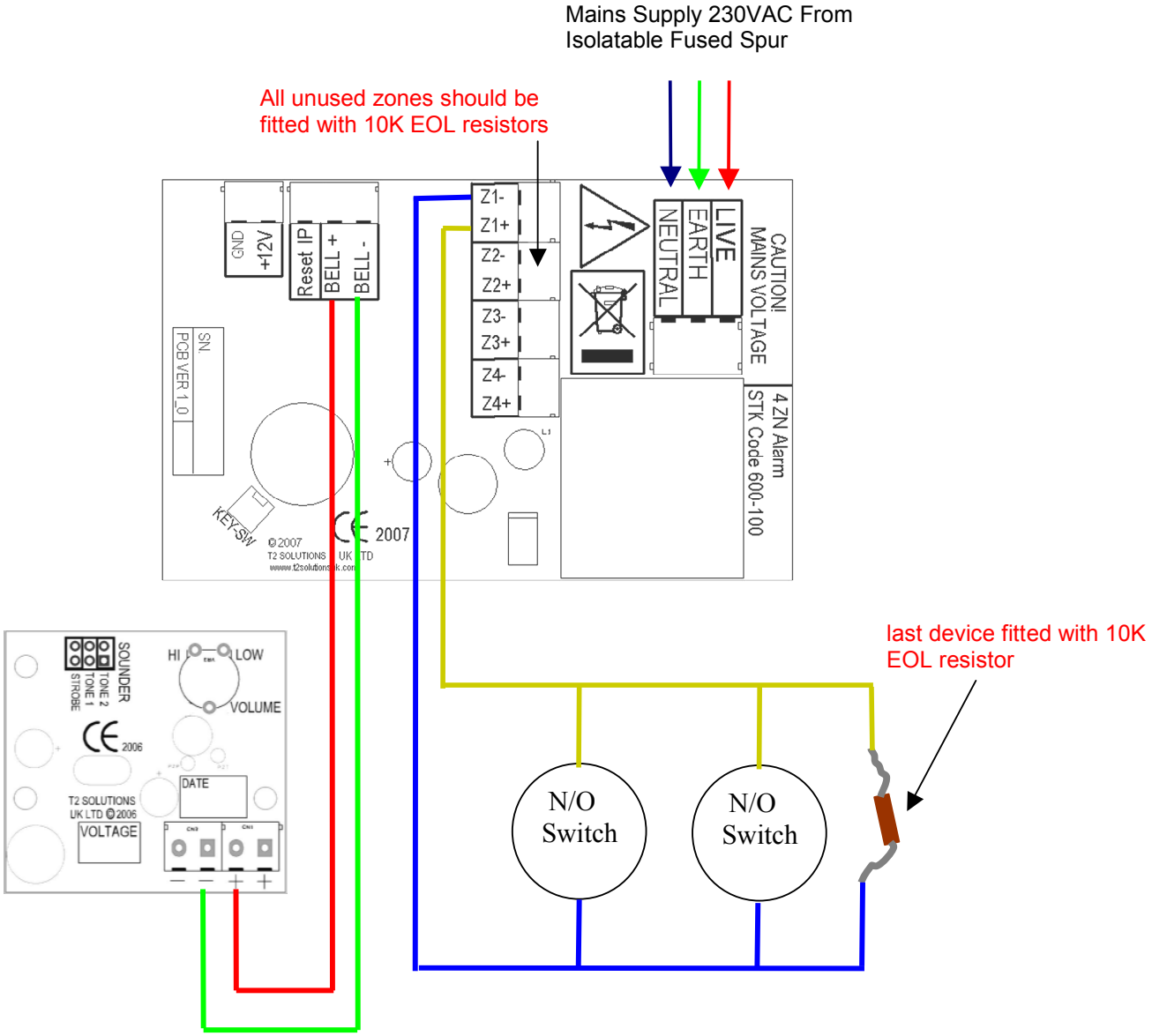
General Installation

The unit is supplied with a suitable backbox and trunking adaptor. It can also be mounted onto a UK dual gang plasterboard box.

The unit requires 230VAC to operate (adhere to latest electrical standards of installation practice).

Remote devices can be wired in multi-core security cable (panic switches [2 core], sounders [2 core], reset switches [2 core]).

Connection Diagram



System Design NOTES

The Control Panel could be fitted in an area where responsible staff can monitor it. The unit requires a 230VAC supply (Mains voltage supplied via a 3A fused spur using 1mm^2 twin and earth cable).

The panel has a reset keyswitch on the front panel, but additional remote reset switches can be added to the system; any normally open switch can be used. Momentary closing will cause a system reset.

Additional sounders or sounder strobes can be added to the system; these **do not** need an end of line resistor.

The 'BELL-' output terminal can drive up to 60mA. The output switches to negative when active and current limits at 60mA. This output activates when any zone input is in alarm.

ZONE FAULTS
A flashing RED LED indicates a zone fault, the panel will also be beeping every 30s.

A zone fault is caused when the zone cannot detect the 10K end of line resistor.

ALARMS
A steady LED and rapid buzzer indicates an alarm condition, a short circuit across a zone will cause this. Normally, a member of staff presses a button; the contacts then short circuit the zone +/- terminals. But a wiring fault can also cause this.

Installation 1st Fix

Fit the Control Panel backbox (a trunking adaptor is included if running surface cables)

Fit panic buttons

Fit any additional accessories (sounder backbox etc)

Use 4 or 6 core security type cable (DO NOT use telephone cable as this is too brittle).

Run all the cables

Run separate 2/4 core cables for the optional sounders and reset switches leaving at least 15cm tails.

Installation 2nd Fix

Isolate the panel from the mains supply and make good all the connections

YOU WILL NEED A VERY SMALL TERMINAL SCREWDRIVER for some of the terminals.

Sounders (optional) are connected between **Bell+** and **Bell-** terminals.

Reset buttons (optional, Normally open switch) are connected between **Reset IP** and **GND.**

Control Panel Technical Specification Data CE			
Internal Voltage:	8 to 30VDC	Dimensions:	W.87mm x L.87mm x H.38mm
Temperature Range:	-20 to +70ºC	Material	FR ABS
Quiescent Current:	Quiescent state **1. 5mA**	Reset Control	Key-switch
External Loading	125mA (max) combined limit for sounder and Detectors.	Detector Reset Time	3 seconds minimum
Panel lights:	RED Alarm LEDs, GREEN Mains health LED	Sounder-Output:	Switch to negative 60mA current limited
Sound Output:	Built in, 85dB(A) 30cm		

USER Testing and Guide Notes

For the PANIC ALARM System

The green power light on the control panel indicates that mains supply is present.

If the light is off then check the mains supply.

All zone lights should normally be off and the panel silent. **If any zone lights are flashing and the buzzer bleeps every 30s then there is a zone fault, which is caused by a wiring problem (usually open circuit cable or End of line resistor missing).**

TESTING

The system needs only be tested every month or whenever tampering is suspected.
operate one of the panic alarm switches, the system should go into alarm;
The sounders should operate (if fitted)
The Main panel should indicate, with a steady red light, which zone has alarmed
The Main panel sounder should be beeping rapidly
Reset the system as described below

RESETTING

To reset the system insert the key into the main panel and turn clockwise to the RST position and then back to the ON position. The red zone lights should do a special test and then go off. If any red lights stay on, try resetting again.

MAINTENACE COMPANY DETAILS

CONTACT DETAILS

INSTALLATION DATE.....

SPECIAL NOTES: