

SERIES 1000 MK4 FIRE ALARM CONTROL PANELS



FEATURES

- * *Low standby power consumption*
- * *Alarm auxiliary contacts*
- * *Fault auxiliary contact*
- * *Alarm auxiliary isolate switch*
- * *Remote system controls*
- * *Class change input*
- * *One man test facility*
- * *Compatible with all popular detectors*
- * *Line continuity upon detector removable*
- * *Suitable for use on pre BS5839 type systems*

GENERAL DESCRIPTION

The Series 1000 MK4 range of Conventional Fire Alarm Control Panels are designed to conform to BS 5839 Part 4. Available in a standard range from 2 to 36 zones each with internal power supply and space for Sealed Lead acid Batteries . The internal power supply can be supplied from 3 ratings :- 1.25 Amp , 3 Amp or 5 Amp .

The panels are housed in an attractive metal enclosure with all user controls and indications located on the front fascia together with clear operating instructions . A bezel can be fitted to the back Box to enable the control panel to be flush mounted . Special Colours or non standard finishes are available to special order . A Glazed Outer Door Version Is also available .

The series 1000 MK4 control panels allow for continued operation of the field devices upon removal of a plug-in device from the detection line . This is achieved either by an internal pulsing circuit together with a EOL Capacitor or a External active end of line device .

The panels are suitable for connection to pre BS5839 type systems including 3 wire . The zone electronics can be changed to "short circuit for Fire condition " thus removing the requirement to fit series resistors in existing Call Points . Ample cable entries are provided at the top of the enclosure and removable chassis plates are provided on the larger Panels . The Electronics are based upon a system of "Motherboards " with plug-in modules allowing customising of the panel to the site requirements .

AVAILABLE OPTIONS

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| * <i>Flush Mounting Bezel</i> | * <i>Zone Identification Legends</i> |
| * <i>Glazed Outer door Versions</i> | * <i>Additional monitored Sounder Outputs
(requires vacant card position)</i> |
| * <i>Special colours & finishes</i> | * <i>Choice of either 1.25 Amp , 3 Amp , or 5 Amp power
Supply ratings</i> |
| * <i>Choice of either internal or external Active End of
Line zone circuit</i> | * <i>Remote power supply and Batteries</i> |
| | * <i>Company name and Logo</i> |

TECHNICAL SPECIFICATION

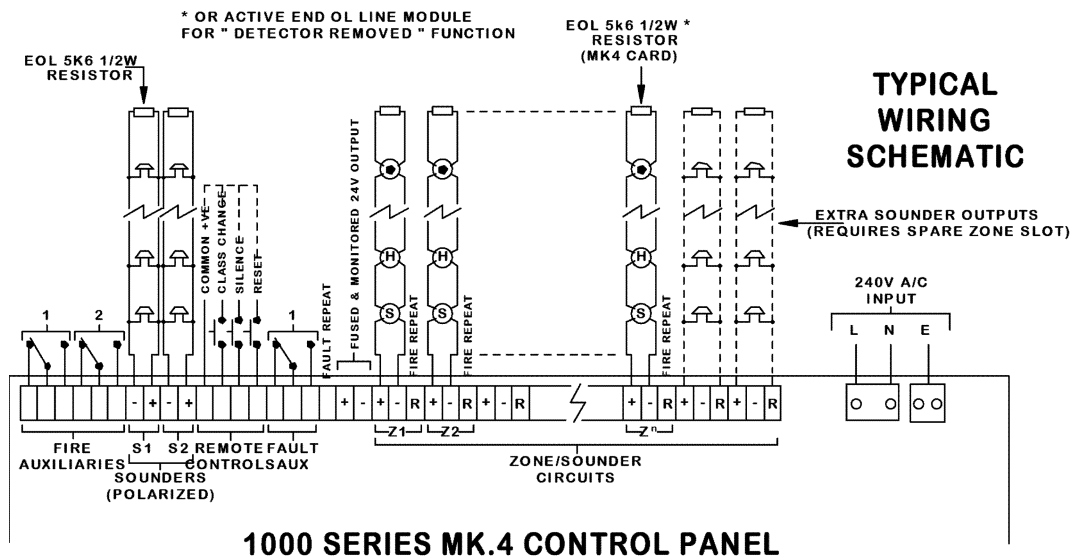
Mains Input	—	240v AC 50/60 Hz (other voltages to order)
Nominal panel voltage	—	24v DC
Supply rating / type	—	1.25 Amp , 3 Amp or 5 Amp Constant voltage with current Limit & thermal shutdown
Auxiliary 24v DC Output	—	500 mAmp , fused and monitored
Standby current	—	5 mA per zone , 35 mA Common functions
Alarm current	—	50 mA per zone (in alarm) , 120 mA Common functions
Zone output voltage	—	20v +/- 5 % Stabilized
Zone End of Line	—	5K6 1/4 watt (MK4 zone card) or Active end of line
Maximum detector current	—	1 mA per zone
Zone fire trip current	—	25 mA
Zone monitoring	—	Both open and short circuit with internal LED's per zone
Sounder monitoring	—	Reverse polarity type , fully monitored for open and short circuit With internal LED's : End of line resistors 5K6 1/4 watt
Maximum alarm load	—	2.75 Amps , shared between 2 circuits each fused @ 3.15 Amps Additional circuits rated at 1 Amp each
Alarm auxiliary	—	2 sets CHO rated at 3 Amps 50v DC
Fault auxiliary	—	1 set CHO rated at 1 Amp 50v DC
Zone fire repeat	—	Solid state output , switched positive 100 mA 24v DC
Common fault repeat	—	Solid state output , switched positive 100 mA 24v DC
Remote control inputs	—	Alarm Silence , Reset and Evacuate (class change)
Construction	—	18 / 16 gauge sheet steel , Epoxy powder coated semi-gloss Grey White with hinged lockable door and Blue screen printed lettering
Cable entry	—	Top entry with 20 mm diameter knockouts
Standby battery space	—	Will accept up to 2 off 12v 12 amp/hr sealed lead acid

ENCLOSURE SIZES AND WEIGHTS (less standby batteries)

NUMBER OF ZONES	WIDTH	HEIGHT	DEPTH	ENCLOSURE REF	WEIGHT
Up to 12 Zones	405 mm	300 mm	125 mm	00	7.0 Kg
Up to 18 Zones	500 mm	400 mm	150 mm	01	12.0 Kg
Up to 36 Zones	500 mm	650 mm	150 mm	02	17.0 Kg

ORDER CODE DETAILS

No. of Zones / 10 Enclosure Ref . / Power Rating (i.e. 18/1001/3 - 18 zones with 3 amp power supply)



ALARMTRONIC LTD

Unit 14 , Meridian Centre , Vulcan Way ,
Croydon , Surrey , CR0 9UG
Tel : 01689 847626 Fax : 01689 841138
Email : sales@alarmtronic.co.uk
Web : www.alarmtronic.co.uk