SERIES 1000 2 WIRE FIRE ALARM CONTROL PANELS

6/1000/2W/3

FEATURES

* *Low standby power consumption*

* *Alarm auxiliary contacts*

* *Fault auxiliary contact*

* *Internal zone Isolate switches*

* *Alarm auxiliary isolate switch*

* *Remote system controls*

* *Class change input*

* *One man test facility*

* *Compatible with all popular 2 wire detectors and Call points*

* *Standard Sounder Outputs*

* *Suitable for use on pre BS5839 type systems*

GENERAL DESCRIPTION

The Series 1000—**2 WIRE** range of Conventional Fire Alarm Control Panels are designed to conform to BS 5839 Part 4 . Available in a standard range from 2 to 24 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 .

The series 1000—2 WIRE control panels allow for connection of each zone with Detectors , Call points and Sounders Utilising only 2 Wires . Call points must have fitted a Series resistor and polarised (blocking diode) .
Standard Detectors can be used with adapted bases (available from Detector Manufactures) . Standard Polarised Alarm Sounders are used . A End of Line Resistor (5K6) is fitted at the Last Device .
Each zone has an Internal Isolate switch together with Jumper Links to provided for conventional four wire connection .
Two Common monitored Sounder Outputs are provided for this facility .

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

* *Flush Mounting Bezel*

* *Zone Identification Legends*

* *Special colours & finishes*

* *Company name and Logo*

* *Additional monitored Sounder Outputs (requires vacant card position)*

* *Choice of either 1.25 Amp , 3 Amp , or 5 Amp power Supply ratings*

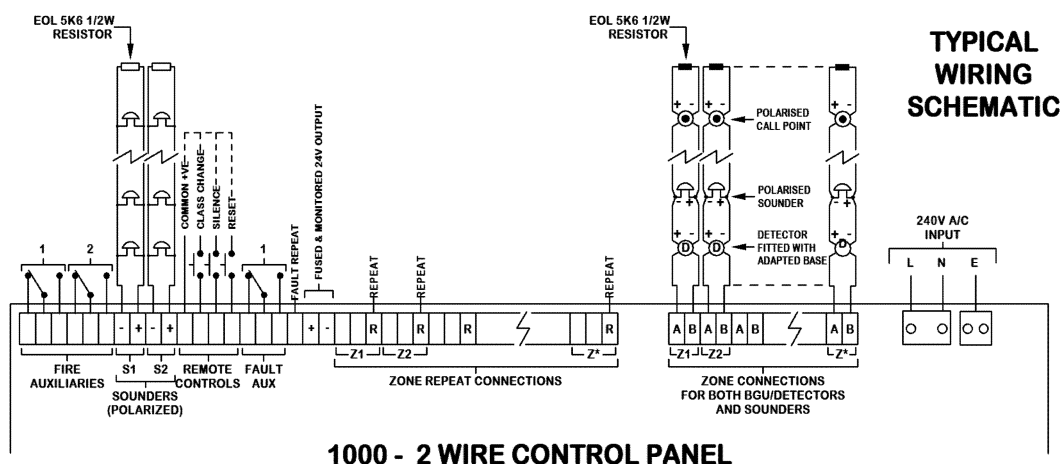* *Remote power supply and Batteries*

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	——	60 mA per zone (in alarm) , 120 mA Common functions
Zone output voltage	——	Normal condition — 20v +/- 5 % Stabilized
		Alarm condition — Reversed polarity 24v DC
Zone End of Line	——	5K6 1/2 watt
Maximum detector current	——	1 mA per zone
Zone fire trip current	——	25 mA
Zone monitoring	——	Both open & short circuit together with Detector removed
		With internal LED's for each Fault . Zone Isolate Slide Switch
Common Sounder monitoring	——	Reverse polarity type , fully monitored for open and short circuit
		With internal LED's : End of line resistors 5K6 1/2 watt
Maximum alarm load	——	0.50 Amp for each Zone each fused @ 1 Amp
		2.75 Amp shared between the Two Common Sounder Outputs
		each fused @ 3.15 Amps
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 6 Zones	405 mm	300 mm	125 mm	00	7.0 Kg
Up to 12 Zones	500 mm	400 mm	150 mm	01	12.0 Kg
Up to 24 Zones	500 mm	650 mm	150 mm	02	17.0 Kg

ORDER CODE DETAILS

No. of Zones / 10 Enclosure Ref /2W / Power Rating   (i.e.   6/1000/2W/3 - 6 zone 2 WIRE with 3 amp PS)

TYPICAL WIRING SCHEMATIC

1000 - 2 WIRE CONTROL PANEL