

SERIES 600B FIRE ALARM CONTROL PANELS



FEATURES

- * *Low standby power consumption*
- * *Alarm auxiliary contacts*
- * *Fault auxiliary contact*
- * *Alarm auxiliary isolate switch*
- * *Class change input*
- * *One man test facility*
- * *Compatible with all popular detectors*
- * *Fused & monitored 24v DC output*
- * *Line continuity upon detector removable (via AEOL)*
- * *Suitable for use on pre BS5839 type systems*

GENERAL DESCRIPTION

The Series 600 Conventional Fire Alarm Control Panel is designed to conform to BS 5839 Part 4 . Available as a 2 zone version with internal power supply and space for Sealed Lead acid Batteries . The internal power supply is rated at 1.0 Amp .

The panel is housed in an attractively finished metal enclosure with all user controls and indications located on the front panel 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 and non standard finishes are available to special order . Ample cable entries are provided at the top of the enclosure .

The series 600 control panel can allow for continued operation of the field devices upon removal of a plug-in device from the detection line by using a external active end of line . A end of line resistor is supplied as standard .

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 .

Both zones can be modified by the use of internal jumper links for short circuit Fire , non latching and Isolate , thus making the Panel suitable for use in shopping centre installations .

AVAILABLE OPTIONS

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|---------------------------------------|--|
| * <i>Flush Mounting Bezel</i> | * <i>Remote power supply and Batteries</i> |
| * <i>Zone identification Legends</i> | * <i>Company name & Logo</i> |
| * <i>Special colours and finishes</i> | * <i>Choice of either Resistor or external Active end of line monitoring</i> |

TECHNICAL SPECIFICATION

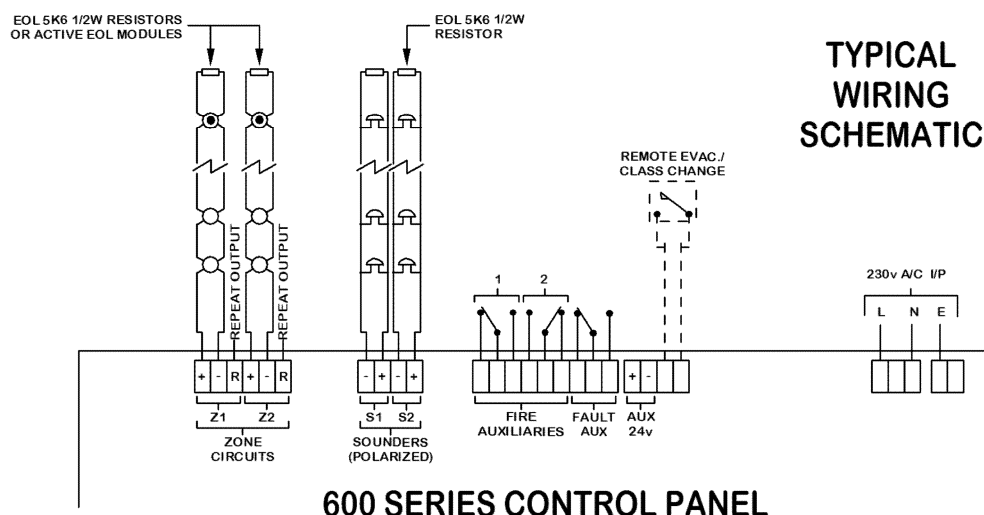
Mains Input	——	240v AC 50/60 Hz (other voltages to order)
Nominal panel voltage	——	24v DC
Supply rating / type	——	1.0 Amp
		Constant voltage with current limit & thermal shutdown
Auxiliary 24v Output	——	500 mA , fused and monitored
Standby current	——	35 mA (2 zones)
Alarm current	——	130 mA
Zone output voltage	——	20v +/- 5% Stabilized
Zone of end of line	——	5K6 1/2 watt or External Active end of line
Maximum detector current	——	1 mA per zone
Zone fire trip current	——	25 mA
Zone monitoring	——	Both open & 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 1/2 watt
Maximum alarm load	——	0.75 Amp , shared between 2 circuits each fused @ 1 Amp
Alarm auxiliary	——	2 sets CHO rated at 1 Amps , 50v DC
Fault auxiliary	——	1 set CHO (fail safe) rated at 1 Amp , 50v DC
Zonal 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 input	——	N/O Class change (operates alarm sounders)
Construction	——	18 gauge sheet steel , Epoxy powder coated semi-gloss Grey - White With hinged door and blue screen printing
Cable entry	——	Top entry with 20 mm diameter Knockouts
Standby battery space	——	Will accept up to 2 off 12v 7 Amp/hr sealed lead acid

ENCLOSURE SIZE AND WEIGHT (less standby batteries)

NUMBER OF ZONES	WIDTH	HEIGHT	DEPTH	WEIGHT
2 Zones	320 mm	235 mm	75 mm	3.5 Kg

ORDER CODE DETAILS

2 / 600 - 2 Zone Surface mounted



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