

HST[®]

FIRE ALARM SYSTEM



Conventional
Economy Alarm Panel

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FIRE ALARM

POWER SPECIFICATION			PARAMETER		
VOLTAGE	CY	CURRENT	AC 175 to 265V	50 Hz / 60 Hz	275 mA
INTERNAL POWER SUPPLY			DC 28V/2.15Amp		
LINE FAULT MONITORED FOR OPEN CIRCUIT			YES		
NORMAL STANDBY CURRENT			40mA		
AUXILIARY POWER OUTPUT			DC 28V nominal		
MAINS SUPPLY MONITORED FOR FAILURE			YES		
BATTERY CHARGER MONITORED FOR FAILURE			YES		
DISCONNECTION/FAILURE			YES		
DETECTOR CIRCUIT SPECIFICATION					
NUMBER OF CIRCUITS			4,8,12, & 16 Zones		
LINE FAULT MONITORED FOR OPEN CIRCUIT			YES		
LINE FAULT MONITORED FOR SHORT CIRCUIT			YES (can be disabled)		
LINE FAULT MONITORED FOR DETECTOR			Yes, if End of Line Monitoring Unit fitted in place of End of Line Resistor		
END OF LINE RESISTOR (SUPPLIED)			4.7K Ω , %5 tolerance, 1W		
DETECTOR CONTINUITY DIODES			Silicon 1N4001 or Schottky type (required if End of Line Monitoring Unit fitted)		
CALL POINT RESISTOR (NOT SUPPLIED)			470 to 680 Ω , 0.5 or 1 W		
MAXIMUM NUMBER OF SMOKE/HEAT DETECTORS PER ZONE			20 (based on a total detector current of 4mA; each detector consuming 100uA). Note: If End of Line Monitoring unit is fitted, for correct operation max. voltage drop must not exceed 12 volts.		
PER ZONE			No limit		
SOUNDER CIRCUIT SPECIFICATION					
NUMBER OF CIRCUITS			2		
END OF LINE RESISTOR (SUPPLIED)			10K Ω , %5 tolerance, 0.5 or 1W		
LINE FAULT MONITORED FOR OPEN CIRCUIT			YES		
LINE FAULT MONITORED FOR SHORT CIRCUIT			YES		
OUTPUTS FUSED AT			300 mA		
MAXIMUM TOTAL OUTPUT CURRENT (ALL			300 mA		
MAXIMUM NO. OF BELLS @ 25mA EACH			16	These quantities are examples only. Divide 400 by the consumption of each sounder/bell in mA to calculate the maximum number.	
MAXIMUM NO. OF ELECTRONIC SOUNDERS @ 20mA EACH			20		
FUSE - ALL FUSES COMPLIANT TO IEC (EN 60127 PT2)					
MAINS TERMINAL BLOCK			1.0 A T 20 mm	Important: Exceeding the fuse ratings may render the equipment unsafe and damage the output of this equipment. This damage is factory detectable and is not covered under warranty.	
BATTERY FUSE			3.0 A F 20 mm		
AUXILIARY FIRE AND FAULT OUTPUTS					
OUTPUT TYPE			Relay switching signal		
FAULT RELAY			Switching current 3A		
FIRE RELAY			Switching current 3A		
CONNECTION BLOCK					
LARGEST ACCEPTABLE CONDUCTOR SIZE			2.5 mm ²		
SMALLEST ACCEPTABLE CONDUCTOR SIZE			0.75 mm ²		

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PHYSICAL	
ENCLOSURE (WIDTH * HEIGHT * DEPTH)	L264*W229*H75mm(8-1Zones),L264*W259*H98mm(16-9Zones),
BATTERY VOLUME DIMENSIONS (WIDTH * HEIGHT * DEPTH)	A total of 2 batteries are required, 97X52X42mm (will accept typically 1.2 or 2.0 Ah sealed lead acid batteries)
WEIGHT (WITHOUT BATTERIES)	3 Kg
IP RATING (to EN 60529)	IP30 (when correctly installed)
ENVIRONMENTAL	
OPERATING TEMPERATURE	-10°C to 50+°C
HUMIDIT	%5 to %95 RH (non-condensing)

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We thank you for your attention

