



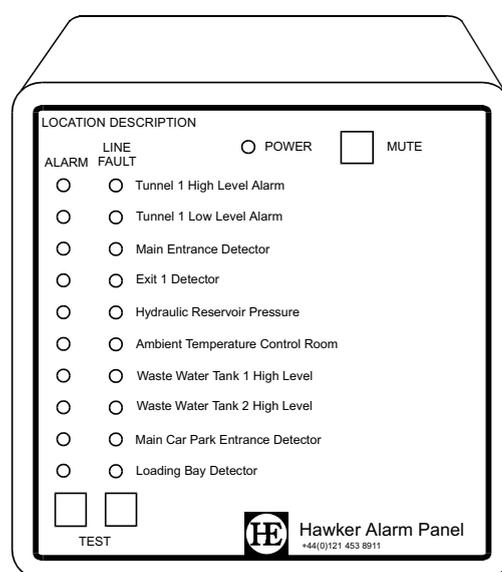
# HAWKER

## LEVEL CONTROL SYSTEMS

### BUILDING SERVICES ALARM

### HAWKER ALARM PANEL (B.S.A)

- Suitable for use with any sensor providing a volt-free N.O. contact e.g. Temperature, Pressure, Flow, Levels, Humidity, Proximity etc
- Individual point alarm display
- Line Fault (cable break) detection
- 107 dB Siren, Tone selectable
- Mains failure alarm
- Test Facilities : Panel operation, Line fault simulation
- Customised location and point description label



### PRINCIPLE OF OPERATION

On receipt of a process alarm condition the internal audible alarm sounds and a red light illuminates indicating the location.

The audible alarm may be muted leaving it ready to sound again on receipt of an alarm from another point, but the Red light will remain on until the process condition is corrected.

In the event of a cable break occurring the

internal audible alarm sounds and a yellow light will remain on until the cable fault has been corrected.

Whenever the audible alarm is sounding an alarm relay is energised providing voltage free contacts for a remote signal.

In the event of a mains supply failure to the alarm panel a second relay provides volt free contacts for remote alarm.



# HAWKER

## TECHNICAL SPECIFICATIONS

### GENERAL DESCRIPTION

A ten point alarm panel from any external volt free contacts, together with cable break detection. Test push buttons enable panel operation and cable line fault to be simulated. Simple two core cable connections to each point carry a low current and voltage signal. The alarm contacts being monitored must be fitted with a sense resistor, which the unit senses in the non alarm state.

### SPECIFICATION

<b>Power Requirements:</b>	230/115 Volts AC +10% -20%, 50Hz
<b>Power Max:</b>	7.0V/A
<b>Ambient Temperature:</b>	-10 °C to +40 °C

### SENSING CIRCUIT

<b>Voltage:</b>	12V. DC. Max
<b>Sense Resistor:</b>	10 off 620ohm (supplied)
<b>Current:</b>	6mA Max. for 620ohm sense resistor.
<b>Alarm:</b>	< 100
<b>Line Fault:</b>	> 2K

### OUTPUTS

<b>Power Indication:</b>	Green LED
<b>Alarm:</b>	Red LED, Siren, Alarm Relay.
<b>Line Fault:</b>	SPCO Volt Free Contacts Rated 0.5A 30V DC, 0.3A 110V DC, 0.5A 125V AC Max, Normally De-energised.
<b>Mains Failure:</b>	DPCO Volt Free Contacts Rated 0.5A 30V DC, 0.3A 110V DC, as Alarm but Normally Energised
<b>Siren:</b>	3 Tone Piezo Link Selectable, Continuous, Pulsed or two Tone. Sound Pressure Level at 1M 107dB. Frequency 2.8Khz.
<b>Enclosure:</b>	1.2mm Steel, coated with Polyester-epoxy to RAL 7032 with IEC Lock. W 200 X H 200 X D120, IP60
<b>Weight:</b>	330g

### Example of label details

LOCATION DESCRIPTION		<input type="radio"/> POWER	<input type="checkbox"/> MUTE
ALARM (Red)	LINE FAULT (Yellow)		
<input type="radio"/>	<input type="radio"/> Tunnel 1 High Level Alarm		
<input type="radio"/>	<input type="radio"/> Tunnel 1 Low Level Alarm		
<input type="radio"/>	<input type="radio"/> Main Entrance Detector		
<input type="radio"/>	<input type="radio"/> Exit 1 Detector		
<input type="radio"/>	<input type="radio"/> Hydraulic Reservoir Pressure		
<input type="radio"/>	<input type="radio"/> Ambient Temperature Control Room		
<input type="radio"/>	<input type="radio"/> Waste Water Tank 1 High Level		
<input type="radio"/>	<input type="radio"/> Waste Water Tank 2 High Level		
<input type="radio"/>	<input type="radio"/> Main Car Park Entrance Detector		
<input type="radio"/>	<input type="radio"/> Loading Bay Detector		
<input type="checkbox"/>	<input type="checkbox"/>		
TEST		 <b>Hawker Alarm Panel</b> +44(0)121 453 8911	

### LABELLING

Printing of location and point description can be to user specification or supplied blank.

Because of continuing development we reserve the right to change the specifications without notice.

### HAWKER ELECTRONICS LTD.

57 The Avenue,  
Rubery Industrial Estate,  
Birmingham B45 9AL, ENGLAND  
Telephone :+44 (0)121-453-8911 Fax : +44(0)121-453-3777  
e.mail: info@hawker-electronics.co.uk www.hawker-electronics.co.uk



BRITISH MADE D469.cdr

FM 10000