Standalone Occupant Warning System

Features

- Digital voice messages (up to 65 seconds duration; stored in flash memory)
- Trigger Input (short/open circuit monitored)
- Dual Strobe Output (24Vdc; alert and evac strobes; open/short circuit monitored)
- Fault Relay (NO and NC contacts)
- Fault Buzzer Output (24Vdc)
- Fault indicators for strobe output, trigger input and speaker line
- Microphone input (Electret or Dynamic selectable)
- Microphone enable/disable switch input
- Auxiliary audio input (transformer isolated)
- Auxiliary audio enable/disable switch input

- 100V Audio speaker line output
- Serial communication for remote control (RS232 or RS485 selectable)
- Amplifier standby enable output (for lower quiescent power)
- Speaker zone expansion capability (up to 16 zones; individually short/open circuit monitored)
- Battery backup and power supply monitoring
- Audio amplifier (class D type; choice of 20W, 60W, 120W or 240W power rating)

Specification

Voltage input range	20-30Vdc
Fuse (both F1 & F2)	1A (M205 slow blow)
Current draw – quiescent	90mA
Current draw – full load	Depends on amplifier/speaker load used (Brooks Class D amplifiers; 15W=1A, 60W=3A, 120W=5.5A, 240W=11A)

Terminating Resistors (x3)

47kΩ 1/2W 5% - trigger input, strobe output and 100V speaker line output

Audio Amplifier Standby

This feature is available for use with Brooks Class D Audio Amplifiers only in order to maximise power conservation. If in certain applications, background music is active continuously, the amplifier quiescent current with standby off should be used in battery calculations.

Microphone Type Selection

Jumper "JP1" in=electret microphone; out=dynamic microphone.
Note: The standard display/keyboard uses a built in electret microphone.

Switch Settings

Switch		ALERT/EVAC Trigger Timing
#1	#2	
OFF	OFF	No delay trigger will activate EVAC tone/message only
ON	OFF	1 minute ALERT tone/message then switch to EVAC tone/message
OFF	ON	3 minute ALERT tone/message then switch to EVAC tone/message
ON	ON	5 minute ALERT tone/message then switch to EVAC tone/message

Switch	ALERT voice message enable/disable
#3	
OFF	Message disabled (ALERT tone only)
ON	Message enabled (ALERT tone and message alternate)

Switch	ALERT voice message enable/disable
#4	
OFF	Message disabled (EVAC tone only)
ON	Message enabled (ALERT tone and message alternate)

Switch	ALERT voice latching enable/disable
#5	
OFF	Alarm is active only while trigger is active
ON	Alarm stays active until manually shut off

Note: Switch #6 is not used.

Fault Indicators

On any fault the common fault LED will be continuously on, strobe, trigger and speaker faults have separate LEDs. If only the common fault LED is on, there may be internal memory fault. Note: Strobe, trigger and speaker faults will blink a fault code. One blink (every second) = short circuit; Two blinks (every second) = open circuit.

National Call: 1300 783 473

Head Office: 4 Pike Street, Rydalmere NSW   2116 Tel: 02 9684 1466. Fax: 02 9684 4146.

All technical features and data are subject to changes without notice, resulting from continuous development and improvement.

Product Leaflet	Date of issue	Revision / Date of revision
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