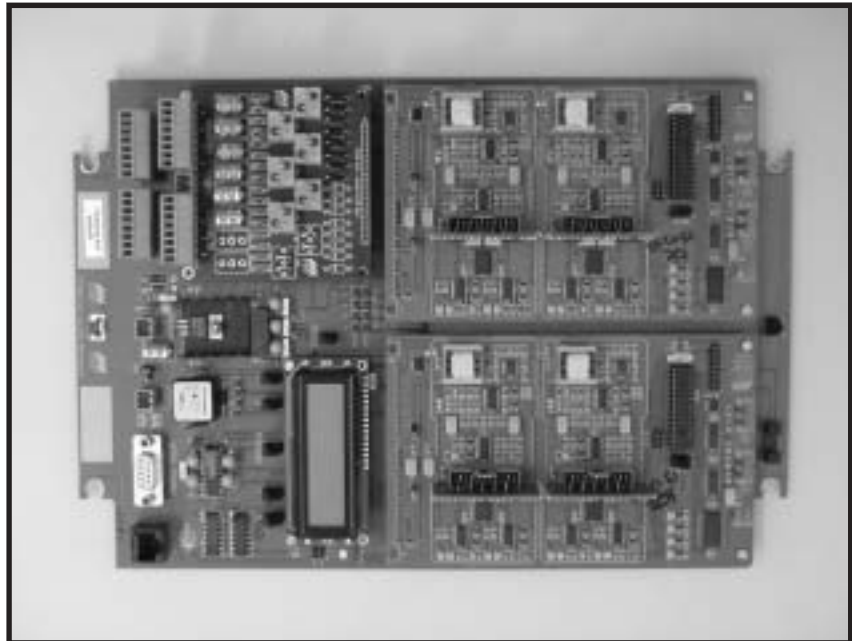


# MICRALERT DETECTION SYSTEM GCMMB



- Provides signal analysis of GDALPHA sensor signals
- Applicable to all commonly encountered fence constructions
- Typical maximum zone length of up to 250 metres
- Plug-in filter modules allow optimum response for unusual fence constructions
- Three independent signal processing channels per zone (cut, climb, hacksaw)
- Remote control via RS232 serial data channel
- Local control via on-board display and controls or optional hand-held controller
- Dry contact relay outputs provide simple interfacing to control panels
- Full lightning protection of all sensor/contact input zones

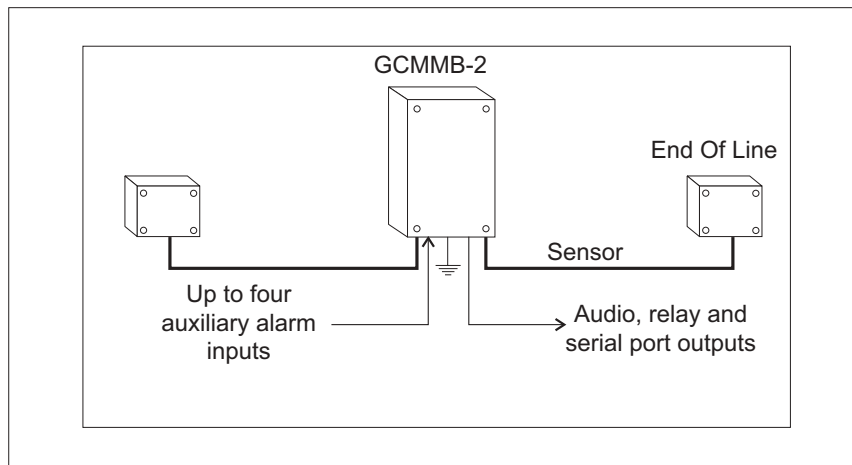
The GCMMB MicAlert system offers up to four independent zones of microphonic cable detection each providing a widely configurable range of outputs for alarm/tamper/pre-alarm/fault conditions. It also provides four additional dry contact monitoring inputs allowing the connection of alternative detection systems that provide simple dry relay contacts. Also relays can be used for general purpose switching, controlled by SMS.

Alarm verification is provided in the form of an audio output which is automatically selected when a sensor zone goes into alarm. Alternatively, the audio output from any of the sensor zones can be manually selected. Geoquip's world famous audio clarity is fully exploited by the MicAlert analyser system.

The MicAlert analyser may be operated remotely using the on-board RS232 serial data link. System status can be monitored as well as adjustment of system parameters such as sensitivity, event counts, and time window. Alternatively, local control system status is signalled by dry relay contact outputs with system adjustments being made using either the on board operator display and push button controls which are fitted as standard or by optional plug-in hand-held controller. Both the on board operator display and the hand-held controller are password protected to prevent unauthorised changes to the system.

# MICRALERT DETECTION SYSTEM GCMMB

Integrates with:



- Defensor
- Guardwire
- PSICON
- RAFID
- Multiplexer
- Sensor Coil 600
- Multizone Annunciator

## TECHNICAL INFORMATION

**Application** Provides analysis of up to four GDALPHA sensor zones with independent alarm, tamper and audio outputs. Four auxiliary contact inputs provided as standard.

**Sales Part Numbers**  
GCMMB-2 Two sensor zones version  
GCMMB-4 Four sensor zones version

**Inputs** Four auxiliary alarm inputs - fully supervised by monitoring resistors  
Up to four GDALPHA sensor inputs - integral sensor cable tamper monitoring

**Outputs**  
Audio Channel 0dBm in 600 Ohms  
Relay Outputs Voltage 110V ac or 30V dc  
Current: 0.3A ac or 1.0A dc  
Power 30VA or 20W  
RS232 Serial Port 9600/19200 user selectable baud rate, no Parity, 1 start bit, 1 stop bit

**Lightning Protection** By gas discharge tube and semiconductor surge suppressor. Transformer isolation provided on GDALPHA sensor inputs. Lightning protection components provided on plug-in card for easy replacement.

**Sytem Parameters** Audio output operation mode, relay operation mode, baudrate

**Analyser Parameters**  
Sensitivity Four independent sensitivity controls, cut, climb, hacksaw and pre-alarm each with twenty settings  
Events Selectable 1-9  
Timer Selectable in 30 sec intervals  
Range 30-270 secs

**Aux Contact Parameters** Polarity, series/parallel monitor resistor values, timer function

**Internal Controls** Six menu and parameter selection buttons  
System reset button  
Optical enclosure tamper switch

**LED Status Indicators**  
Sensor Cable Zones 4 Alarm LEDs, 4 Tamper LEDs, 2 Analysis system OK LEDs  
Auxiliary Contact Zones 4 Alarm LEDs, 4 Tamper LEDs  
Audio Monitoring Channel 4 Active Channel LEDs  
Relay Outputs 8 Status LEDs  
On Board Power 2 Status LEDs  
Serial Data Link 2 Status LEDs

**Alarm Storage** Offline alarm storage of 250 events

**Dimensions:** 330mm x 220mm x 110mm

**Weight** 4kg

**Power Requirements** 6.5-24V dc at 400mA (fully populated board)

**Housing Material** Die-cast aluminium finished with polyester powder paint to RAL7001 (Silver/Grey)

**Environmental Rating** Sealed to IP65

**Cable Entries** 4 x PG9 cable glands  
1 x PG11 cable gland

**Operating Temperature** -40°C to +80°C

**Relative Humidity** Maximum 90% RH Non-Condensing

**Warranty** 12 months from date of invoice