VoIP Sentinel
Hands-Free Weather Resistant Telephone

GAI-TRONICS® HUBBELL

- **VoIP SIP operation**
- **Stainless steel faceplate**
- **Full Dialler metal keypad**
- **2 x Remotely programmable (non-volatile)** memory locations
- **PoE Line Powered**
- **Optional mains supply adapter**
- **Hands-free operation**
- **Weather resistant to IP65**
- **Audio-visual ring indication**
- **Flush or surface mount options available**
- **Volume adjust button VOL +/-**
- **CE compliant**

The hands-free weather resistant Sentinel is flush or surface mounted and designed to be fixed to a vertical surface by vandal resistant tamperproof screws. The combined metal keypad and stainless-steel faceplate provide protection from the harshest environments up to IP65.

The 16 button metal keypad consists of 0-9 digits, Vol +/-, MEM1, MEM2 and ON/OFF button. The unit is fully configured to work with standard SIP networks.

Incoming calls are indicated by a flashing LED and audible warble tone. A volume control button is provided for noisy environments.
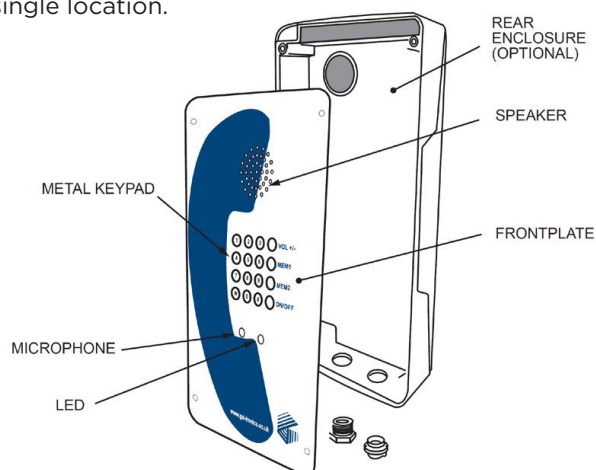
The keypad includes features to aid navigation for the visually impaired.

Voice over IP (SIP protocol)
GAI-TRONICS VoIP-SIP telephones support Power over Ethernet (PoE) to combine power and connection to LAN or WAN. GAI-TRONICS VoIP-SIP phones offer a wealth of additional features including real-time reporting via SNMP and can be configured by web browser.

Monitoring with TMA
In addition to SNMP device monitoring, GAI-Tronics Telephone Management Application (TMA) over IP offers detailed diagnostics for multiple devices from a single location.

GENERAL SPECIFICATIONS

Casing Material: Faceplate material: Stainless steel, brushed finish. Rear enclosure: Stainless steel (sold separately)

Keypad: Weather resistant / Vandal resistant 16 metal buttons on 4 x 4 matrix, comprising:
- 12 numeric keys (0-9, *, #)
- 2 memory dial buttons (MEM1 & MEM2)
- ON/OFF button
- Volume button (cycles the receive level between normal level, -6dB and +6dB)

Temperature:
Operating: -40°C to +60°C
Storing: -40°C to +70°C

Weight: 1.5kg (without back box)

Weather Resistance: Up to IP65 dependant on installation. Please call for advise on application

Ringing Tone: 80dBA @ 1m

Power Supply: Under normal circumstances, the Sentinel will operate entirely from telephone line power and no additional power supply is required. A supplementary power supply (sold separately) is available, which can improve performance on lines where the loop current or ring voltage is low.

VOIP SPECIFICATIONS

Speech: Full duplex, 6 codecs available inc G.711 + G.722

Power Supply: External 48 V dc or Power-Over-Ethernet (PoE 802.3af compliant) Power requirement 7W max (4W idle)

Call Set-up Protocol: Session Initiation Protocol (SIP) (RFC 3261) only

Configuration: Via configuration file or web page. Static IP address provisioning or DHCP

External I/O: 4 auxilliary inputs, 2 isolated relay outputs (1 capable of switching 230 V ac)

Monitoring & Reporting: Real-time via SNMP

Audio Path Testing: Allows remote testing of microphones and speakers, to verify that a phone is functioning acoustically. Can be run on demand or on a scheduled basis, reporting its results via SNMP.

TMA SPECIFICATIONS

Monitored faults and sensors:
- Brown out (line failure)
- Stuck button
- Call log full
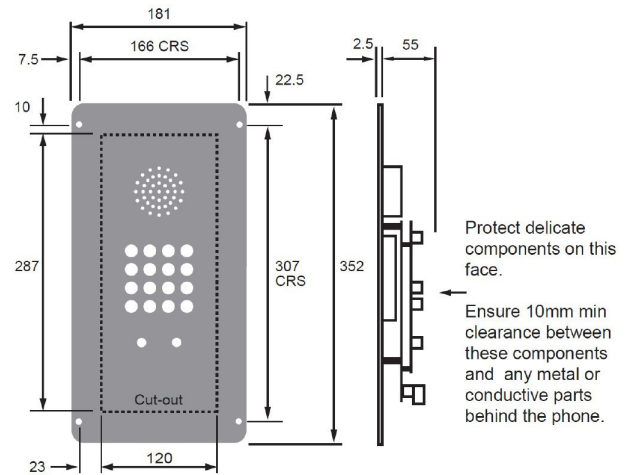- 4 auxilliary inputs (optional)

Parameters configurable with TMA:
- Autodial numbers - including time-switched alternate numbers
- Speech receive level
- Rings before / after auto-answer
- Time out (default 7 minutes)
- Mute before dial
- DTMF detection window

Monitoring Method:
- Remote polling (initiated by TMA)
- Call-in (initiated by telephone at pre-set time)

DIMENSIONS

APPROVALS

CE   2011/65/EC RoHS 2 Directive
Tested to CTR21

ORDER INFORMATION

Sentinel, 16 Button, Hands-free	**116-02-055G-009**
Stainless Steel Surface-mount Box	**100-02-1401-909**

OPTIONAL ACCESSORIES

Please ask for Brochure **B150** or visit www.gai-tronics.com

T: +44 (0) 1283 500500   E: sales@gai-tronics.co.uk

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