![GAI-TRONICS - A division of Hubbell Limited]

Titan
Metal Bodied Weather Resistant Telephone

dac elemec Systems
Specialised Communications

- **Standard and SMART Analogue and VoIP-SIP options available**
- **Vandal Resistant Handset and Cord**
- **Robust and weather resistant: IP54 to IP66**
- **Full keypad, full keypad with memory, CB and 1, 3 and 6 button programmable autodialler telephones**
- **Multi purpose design for wall or post mounting, simple installation**
- **Large tactile buttons, easy to see and operate**
- **Inductive Coupler fitted as standard for hard of hearing**
- **Standard or customised units**
- **CE Compliant**

Titan's aluminium body is robust and designed to look good and last longer in hostile outdoor environments. Along with weather and vandal resistance, the Titan range meets the acoustic performance, reliability and varying applications demanded by today's markets.

Titan is simple to install with fixings concealed from view giving increased security from vandalism. Cable entries are via water-tight glands while push buttons are weather sealed. Its spring loaded door also gives extra weather protection to the telephone. Connectivity options are:

Standard Analogue
The standard analogue unit provides basic telephone functions and can be connected to any standard two-wire telephone line, including FXS ports, analogue PABX lines and PSTN.

SMART Analogue
Self **M**onitoring **A**nd **R**eporting **T**elephone can be integrated with GAI-Tronics' TMA monitoring and maintenance software and/or GAI-Tronics CMA call centre. SMART gives advanced features including remote programming, fault monitoring and call logging, all from a line-powered telephone capable of operating up to 7km from the exchange on a two-wire cable.

Voice over IP (SIP protocol)
For connection to a VoIP enabled network, GAI-Tronics VoIP-SIP telephones offer direct connection to LAN or WAN via RJ45 connector, including Power-Over-Ethernet (PoE) as standard. GAI-Tronics VoIP-SIP phones offer a wealth of additional features including real-time reporting via Syslog, and can be configured by web browser.

Keypad Options:
15 & 18 button Full Keypad
Included in the 18 button version, are 3 direct dial buttons for fast one touch dialling of pre-stored numbers or accessing low cost call facilities. The 15 and 18 keypad versions include: **S** 'Microphone mute' or 'Silence', **R** 'Recall', **LR** 'Last number redial'

1, 3 6 & 18 button Autodiallers

These models are programmable via an internal keypad. A microphone muting facility guards against unauthorised calls made with a remote MF tone pad. To make a call, simply lift the handset and press a single button. The pre-programme number (up to 24 digits) will then dial automatically.

0 button CB
This can be used to initiate a PABX 'hotline' or lift handset and wait for reply, where the PABX does the call routing/dialling. Autodial on handset lift also available.

As well as the standard Titan range, GAI-Tronics can supply specials to order with customised options.

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TECHNICAL SPECIFICATIONS

Casing Material
Die cast aluminium, epoxy powder coated. Colours yellow or grey or special order

Handset Material
Cycoloy (2850) with stainless steel spiral cord

Keypad
Weathersealed tactile digital keypad. Silicone rubber material, resistant to most chemicals and solvents

Temperature
Operating: -20° C to +60° C

Storing: -40° C to +70° C

Weather Resistance
Door open - up to IP65
Door closed - IP66

Ringing Tone
Shrill warble tone 80 dBA @ 1 metre typical

Hookswitch
Electronic / magnetic with no visible moving parts

Lightning / Transients
Protection to ITU-T k.21 enhanced levels

M.T.B.F.
Calculated to have an M.T.B.F. in excess of 50,000 hours using MIL-HDBK-217F Notice 2

Weight
Up to 5 kg depending on option

STANDARD ANALOGUE

Dialling
LD (pulse) or MF (tone). User selectable

Time Out
Enforces a fixed call maximum time limit to 6-8 minutes from lifting the handset. User selectable

Power supply
Drawn from telephone line

SMART (ANALOGUE)

All the features of the standard analogue unit plus:

Remote programming
Auto-dial numbers, time-out and dial mode can be programmed over the phone line either from a tone phone or from monitoring software (TMA).

Configuration
Remotely programmable via TMA

Remote monitoring
Remote health-check and fault reporting, including handset integrity, either on a call-in or polled basis. TMA required.

Call Logging
Records call time, duration and auto-dial number used. TMA required.

VOICE OVER IP - SIP

Connection type
RJ45 socket (inside sealed enclosure)

Power supply
External 48Vdc or Power-Over-Ethernet (PoE 802.3af compliant)

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

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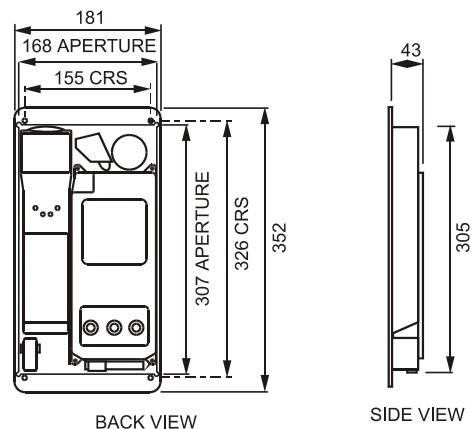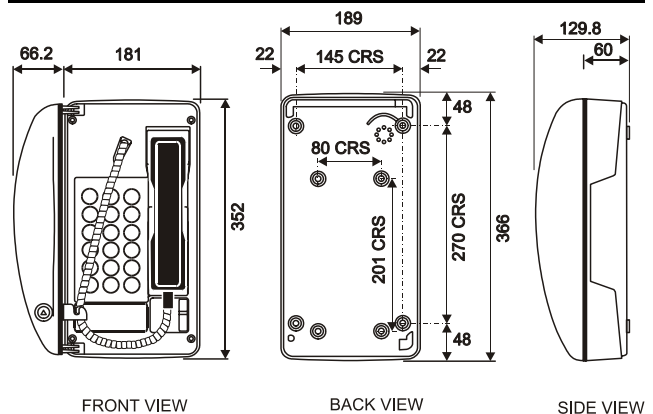Via configuration file or web page. Static IP address provisioning or DHCP

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

Monitoring and reporting
Real-time over TCP/IP proprietary Syslog application

DIMENSIONS:

FRONT VIEW   BACK VIEW   SIDE VIEW

BACK VIEW   SIDE VIEW

APPROVALS

This mark indicates compliance with the:
Radio & Telecommunications Terminal Equipment Directive 1999/5/EC (R&TTE)

This mark indicates compliance for inductively coupling to Hearing Aids having a `T' switch position
Tested to ETS 300-381 and in accordance with ITU-T P37.

For specific country approval, please call

ORDER INFORMATION
T: 01283 500500, F: 01283 500400, E: sales@gai-tronics.co.uk

OPTIONAL TELEPHONE ACCESSORIES
Ask for Brochure B150 or visit www.gai-tronics.co.uk

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