

# Titan VoIP for Rail

Metal Bodied Weather Resistant Telephone



- VoIP SIP
- Network Rail Acceptance for use in SPT and level crossing applications
- 0 button CB version
- Robust and Weather Resistant to IP66
- Compliant with Rail EMC standard EN 50121-4
- Audio Path Testing
- Programmable timer for timeout
- Aluminum Metal Casing
- Vandal Resistant Handset and Cord
- Several mounting options including compatibility with previous model telephones
- CE Compliant

## A NETWORK RAIL APPROVED PRODUCT

Titan brings state of the art design and technology to metal bodied weather and vandal resistant telephones. These VoIP SIP models are designed to be open protocol to integrate easily into the IP network, giving increased connectivity across your route.

The Titan range is designed to meet the acoustic performance, reliability and varying applications demanded by the rail industry. It provides solutions to meet the requirements of most customers for CB and crossing telephones.

Features include programmable time out function, inductive coupler and audio path testing to check handset integrity.

Titan's aluminium body is robust and designed to last longer in hostile outdoor environments where high levels of service delivery are demanded.

Its spring loaded door has a high integrity hinge with options available for various locking mechanisms and a latch open facility. With the door open, Titan has an IP rating of IP65 and with it closed, achieves a rating of IP66. Cable entries are via water-tight glands.

Titan is simple to install and fixings are concealed from view. A pole mounting bracket kit is included.

### 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 Syslog, and can be configured by web browser.

\* Contact GAI-Tronics for clarification of application

**0 button CB**  
Autodial on handset lift.



# Titan VoIP Telephone - Technical Specifications

## Voice over IP - SIP

**Time Out:** Selectable timer to release line even if the handset is left off hook. Programmable from 1 to 240 minutes.

**Connection type:** RJ45 socket (inside sealed enclosure).

**Power supply:** External 24-48Vdc 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 auxiliary inputs, 2 isolated relay outputs, capable of switching 230Vac.

**Monitoring and reporting:** Real-time over TCP/IP proprietary SYSLOG application.

**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 SYSLOG and / or email.

**EMC:** Compliant to: EN 50121-4, EN 55032, EN 55024

**Safety:** Compliant to EN 60950-1, EN 60950-22

**Temperature:** Operating: -20° C to +60° C; Storing: -40° C to +70° C

**Weather Resistance:** Door open - IP65; Door closed - IP66

**Relative Humidity:** Up to 95% (non-condensing)

**Ringing Tone:** Shrill warble tone 80 dBA @ 1 metre typical

**Hookswitch:** Electronic / magnetic with no visible moving parts

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

**Casing Material:** Die cast aluminium, epoxy powder coated. Colours: yellow, grey

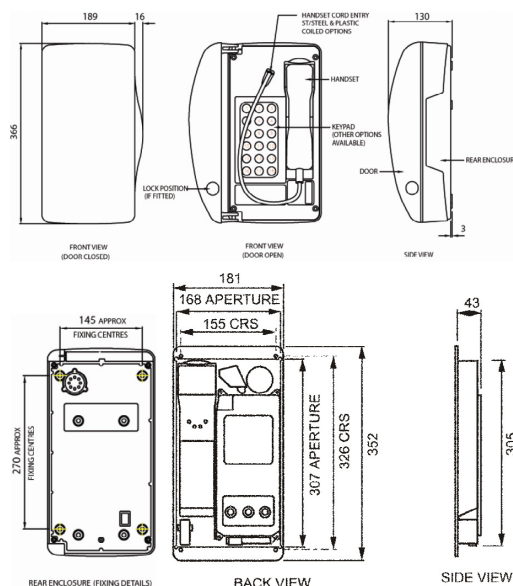
**Handset Material:** Cycoloy with stainless steel spiral cord.

### Dimensions:

H366mm x W189mm x D130mm  
H270 x W145 mm fixing dimensions

**Weight:** Up to 5 kg depending on option

## Dimensions



## Order Information

| Description                   | Part number     | PADS number | Typical application        |
|-------------------------------|-----------------|-------------|----------------------------|
| Titan VoIP for Rail CB grey   | 110-02-0050-221 | 087/037813  | SPT                        |
| Titan VoIP for Rail CB yellow | 110-02-0050-222 | 087/037809  | Level crossings (not PETS) |

## Approvals



Certificate of Acceptance Number PA05/05629



This mark indicates compliance with the:  
2014/35/EU Low Voltage Directive  
2014/30/EU EMC Directive  
2011/65/EU RoHS 2 Directive



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

## Optional Accessories

Please ask for Brochure B150 or visit [www.gai-tronics.com](http://www.gai-tronics.com)  
T: 01283 500500, F: 01283 500400, E: [sales@gai-tronics.co.uk](mailto:sales@gai-tronics.co.uk)

For non-standard products and configurations not listed, including pushbutton versions, please call.

[www.gai-tronics.com](http://www.gai-tronics.com)



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