

# UL Class I Division 1 Telephones

VoIP / SMART / Analog



World's First UL Division 1 VoIP Telephone

## Models

- VoIP
- SMART
- Analog

## Features

- Line Powered
- Noise Canceling Microphone
- Volume Adjust
- Type 4X Weather Rating

## Options

- Ring Relay
- Headset

GAI-TRONICS 352, the world's first UL Class I Division 1 VoIP telephone, is also available in standard analog or SMART configurations. All models are UL approved to Class I Division 1 Groups B, C, & D, Class II Groups F & G and Class III, Type 4X, and ABS Type Approved.

### VoIP

A native VoIP telephone, the 352 VoIP models do not need an IP convertor but connect directly to a SIP based VoIP telephone system.

Configuration is via password protected intuitive web pages within the telephone. These embedded pages are accessed using a browser such as Internet Explorer to view, monitor and change settings without the need for proprietary software.

Power Over Ethernet (PoE) operation removes the need for external power supply connection. With only one voice and data infrastructure to install and maintain, VoIP telephony saves time and money.



### SMART

For users utilizing a conventional PABX technology, GAI-TRONICS Self Monitoring and Reporting Technology (SMART) offers event and fault reporting over a standard analog line.

### Analog

GAI-TRONICS proven industrial telephone circuitry housed for use in Division 1 hazardous environments.

### Ring Relay

All variants of the VoIP telephone are complete with a configurable relay output. Analog variants are available with relay contact. Ring relay contacts are 5A, 250 V ac / 30 V dc rated.

### Volume Control

All versions of the new Division 1 telephone have a four (4) step push button control volume control.

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## Approvals

- UL & cUL approved;
- Class I Division 1 Groups B, C, & D
- Class II Groups F & G
- Class III
- ABS Type Approval

**Weight:** 28lbs (12.7kg)

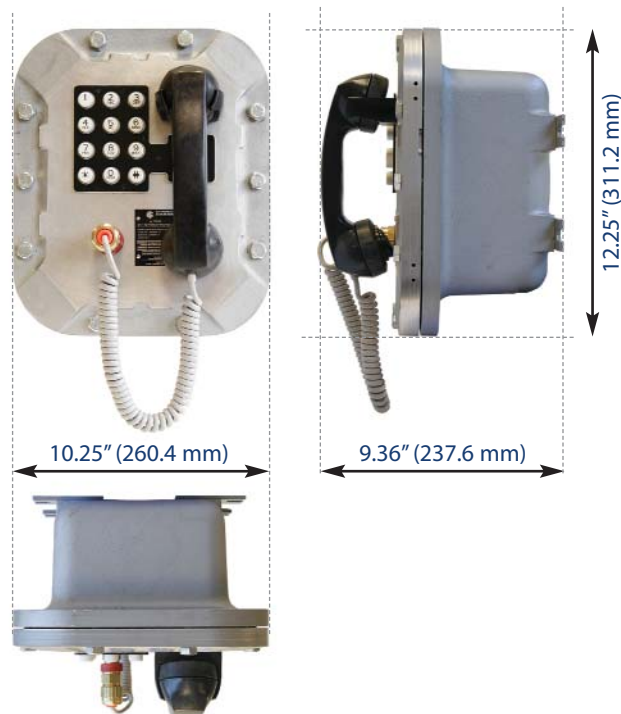
**Environmental:** Type 4X T6 - Gas  
T4A - Dust

## Operating Temperature Range

- Analog: -40° C (-40° F) to + 60° C (140° F)
- SMART: -20° C (-4° F) to + 60° C (140° F)
- VoIP: -20° C (-4° F) to + 60° C (140° F)

**Enclosure:** Copper Free Cast Aluminum

**Handset:** Carbon loaded ABS body, 6' PVC coiled cord



### VoIP

352-701 VoIP Handset

**Power:** Power-over Ethernet, 802.3af compliant (via RJ45), or External power supply: 36-56 V dc, 200 mA; a separate, isolated supply must be provided for each telephone

**Network:** 10/100 BaseT Ethernet RJ45, Cat5 or Cat5e UTP Static IP provisioning or DHCP STUN client (NAT traversal)

**Call Control Signaling:** SIP (RFC3261 compliant) loose routing

**Quality of Service:** Priority of IP Packets according to TOS and DiffServe VLAN Priority according to IEEE8021.p/802q

**Redundancy:** Supports up to 4 SIP proxys

**Configuration:** Embedded web server

**Monitoring and Reporting:** Real-time over TCP/IP Syslog application or email

**Telecoms Compliance to Standards:** FCC CFR 47 Part 15

### SMART

352-101 SMART Handset  
352-102 SMART with ring relay

GAI-TRONICS' TMA compatibility profile type . . . . . GTC SMART

Handset Minimum loop current (48 V dc only). . . . . 20 mA

Operation. . . . . Loop start

**Telecoms Compliance to Standards:** FCC CFR 47 Part 15

### Analog

352-001 Analog Handset  
352-002 Analog with ring relay

**Telecoms Compliance to Standards:** FCC CFR 47 Part 15

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



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Quality Management System Certified by DNV-GL - ISO 9001:2015. The policy of GAI-TRONICS is one of continuous improvement; therefore the company reserves the right to change specifications without notice.



Pub. 111004