

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)

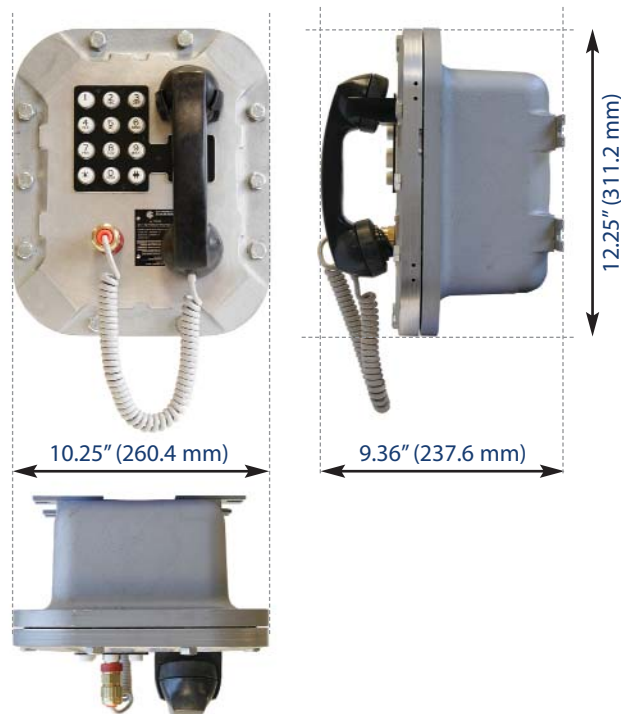
Environmental: Type 4X T6 - Gas
T4A - Dust

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



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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.



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