

Features

- **Extended temperature range:**
- 40°F to +140°F
- **Telephone line powered;**
no external power needed
- **Remote programming**
- **Phone's health status reported to central P.C.**
- **Customer-programmable call-in scheduling**
- **Large "Palm" activation button call for help and keypad for regular calls**
- **Auto answer**
- **Auxiliary switch to activate peripheral equipment**
- **Three number rollover - unit dials up to three different numbers to ensure emergency calls are answered**
- **ADA compliant features: Braille "Help" tag "Call Received" LED Indicator**
- **Custom colors and silk-screening available**



Model 294AL-003 with Keypad, Cast Aluminum (Left)
Model 298-003 with Keypad, Brushed Stainless Steel (Right)

Emergency communications is a vital and growing concern in all public areas including college campuses, parking garages, sports arenas, business and industrial parks, and more. GAI-Tronics® emergency telephones address this need and are line powered and built to endure extended temperature range's, vandalism, and abuse. Our newest line of Self-Monitoring and Reporting Telephones (S.M.A.R.T.) incorporates leading-edge technology to provide optimum performance and flexibility.

Manufactured in both surface and flush mount designs, GAI-Tronics emergency phones offer superior reliability. Emergency telephone users simply press the large red emergency button for immediate connection to the security office. In addition, the Models 294AL-003 and 298-003 offer a sealed Braille metal keypad and call button for local calling or building access. Pressing the black call button a second time enables the caller to place additional calls.

Interfacing to a central computer equipped with GAI-Tronics Telephone Management Application (TMA) monitoring software, the telephones perform advanced self-testing to ensure the health and functionality of the emergency communications system. Through self-testing the units detect and report faults so repairs can be made quickly; in addition, via the TMA software, telephones are polled on a regular basis for call reporting and other statistical information.

The S.M.A.R.T. telephones detect and report memory corruption; report line interruption if some type of outage cuts off the telephone line or attempted removal of the unit, and reports a damaged pushbuttons.

The TMA software is a Windows XP/2000-based data collection and reporting package. The system supports up to eight modems simultaneously contacting and collecting health information from each S.M.A.R.T. telephone.

TMA reduces the cost of maintenance while increasing the safety of the system by ensuring that phones are fully functional. TMA allows the system manager to make remote programming changes to individual telephones, again saving time and money. These changes can be made without interfering with emergency communications and without disrupting the polling schedule. With a wide range of customer configured report options, including on-line and automated reporting, the system is configurable to meet any customer requirements.

GAI-Tronics' S.M.A.R.T. Telephones and TMA working together offer customers a truly advanced and intelligent telephone monitoring system.

As an ISO9001 Certified Company, we maintain the highest quality standards and are proud that our equipment is manufactured in the U.S.A.

S.M.A.R.T. Features

- Polls eight phones simultaneously
- Monitors for stuck buttons, line conditions (current levels) microprocessor self-test and call in progress interrupted
- Provides inactive phone reports
- Provides call usage reports (including time, date, and length of call)
- Provides exception reports
- Provides maintenance call reports
- Offers visual indicators (GUI) for health status of each phone
- Provides call-in report lists with call-in records
- Provides secured access to TMA via key attached to the PC's USB port
- Offers remote telephone configuration
- Automatically compensates for poor line quality
- Red LED light flashes upon activation - steady when audio is detected.



TECHNICAL SPECIFICATIONS

Electrical

Loop current	24 mA (35 mA recommended) Compensate low or less stable line current with Part # 40404-045 plug-in power supply 5 V dc 600 mA REGULATED PLUG-IN PWR (sold separately)
Operation	Loop Start
Auto-dial digits	24 Digits
Audio Output	<ul style="list-style-type: none"> • Voice - 80 dB SPL @ 1 meter with 40mA of loop current • 1 kHz tone - 76 dB SPL @ 1 meter with 40mA of loop current
Isolated solid state switch	<ul style="list-style-type: none"> • 48 V dc @ 125 mA • 28 V_{RMS} @ 80 mA_{RMS}
Telephone Line	24 V dc or 48 V dc

Mechanical

Operating Temperature Range	-40°C to +60°C -40°F to +140°F
Relative Humidity	To 95%, no condensation
PCBA (Printed Circuit Board Assembly)	Conformal Coated

Model 294AL-003

Enclosure	Cast aluminum painted safety yellow
Dimensions	9.5H x 8W x 4D inches; (241.3H x 203.2W x 101.6D mm)
Braille dial Pad	Chrome-plated Zinc
Weight	8.5 lbs.; 3.85kg

Model 298-003

Construction	Panel: 14-gauge brushed stainless steel Back Box: 16-gauge cold-rolled steel with black polyurethane finish.
Braille dial Pad	Chrome-plated Zinc
Dimensions	Panel: 12.0H x 10.0W in. (304.8 x 254mm) Back box: 2.38 in. (60.5mm) (depth from mounting surface) Panel Cutout: 10.1H x 8.43W in. (255.7mm x 214.12mm)
Weight	7.2 lbs.; 3.26kg

Approvals

Safety of Information Technology Equipment	UL / CSA 60950
Enclosures for Electrical Equipment	UL 50, Type 3R

47 CFR Part 68

Certification Number	US: ADGTE04B0414HAC
Ringer Equivalence Number	0.4B
Network Connection (USOC)	RJ11

IC Information (Canada)

IC Certification Number	882B-GTC S.M.A.R.T.
Ringer Equivalence Number	0.4B
Connection Method	CA11A

MODELS

S.M.A.R.T. Surface-Mount Emergency Telephone, Aluminum, Keypad	29AL-003
S.M.A.R.T. Flush-Mount Emergency Telephone, Keypad	298-003
Telephone Management Application (T.M.A.) (Sold Separately)	12509-024

GAI-Tronics® offers telephone panels designed to fit most non-GAI-Tronics® emergency phone columns. Ask about our smaller sized flush-mount telephones.

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Quality Management System Certified by DNV - ISO 9001:2008

The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.