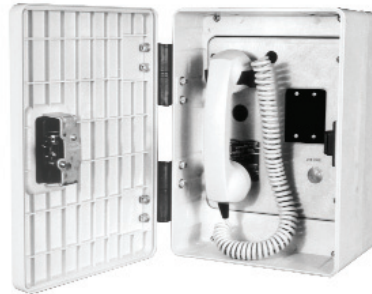


Features

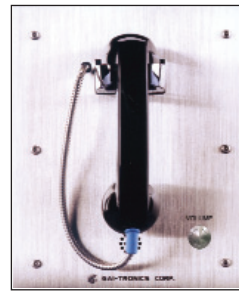
- **Extended temperature range:**
- 40° to +140°F
- **Telephone line powered;**
no external power needed
- **Noise-canceling microphone**
- **Hearing aid compatible handset**
- **Volume control push button (front panel)**
- **Non-movable hookswitch**
- **Remote programming**
- **Phone's health status reported to central P.C.**
- **Remote activation of internal relay**
- **Three number rollover - unit dials up to three different numbers to ensure emergency calls are answered**



257-003 Outdoor Phone



227-003 Tough Phone



277-003 Flush Panel Phone

GAI-Tronics® indoor and outdoor Industrial Auto-dial Handset Telephones are designed for those applications where standard telephones are not environmentally suitable. Reliable, dependable communication is a vital and growing concern in all public areas including, subways, airports, industrial facilities, plant entrances, amusement parks, college campuses, parking garages and more. GAI-Tronics® Industrial telephones address this need and built to endure extreme temperature ranges, vandalism, and abuse.

GAI-Tronics® S.M.A.R.T. telephones are fully line powered, requiring no external power and no battery Backup. All memory programming is stored in a non-volatile EEPROM for increased reliability.

GAI-Tronics® S.M.A.R.T. Auto-dial Handset telephones allows the user to remotely program up to a 24-digit telephone number in the unit's memory. Access to the units programming is password protected preventing unauthorized tampering. The S.M.A.R.T. telephones are programmed remotely, enabling the end-user to configure the system to meet their unique application requirements. Once programmed the auto-dial telephone will automatically dial when the handset is taken off hook. The S.M.A.R.T. Auto-dial telephones allow the end-user to program three different stored numbers in T.M.A. (Three number rollover), to ensure the calls are answered.

GAI-Tronics® Self-Monitoring and Reporting Technology (S.M.A.R.T.) Auto-dial Handset telephones detect and report numerous conditions. Interfacing to a central computer equipped with GAI-Tronics® Telephone Management Application (T.M.A.) monitoring software, the telephones perform advanced self-testing

to ensure the health and functionality of each S.M.A.R.T. telephone within communications system. Through self-testing the units detect and report faults so repairs can be made quickly; in addition, via the T.M.A. software, telephones are polled on a regular basis for call reporting and other statistical information.

The T.M.A. 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.

T.M.A. reduces the cost of maintenance while increasing the safety of the system by ensuring that phones are fully functional. T.M.A. 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 telephone 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.

The S.M.A.R.T. Telephone will store and report to T.M.A. the following type of information:

- **Call type** (voice or maintenance)
- **Call direction** (incoming or out-going)
- **Call date, Call time and Call duration**
- **Answer delay** (voice calls only)
- **Termination reason** (what ended the call): This information is stored for every call attempt (whether the call is actually successful or not).

S.M.A.R.T. Auto-dial Industrial Telephones

- **Stuck Contacts:** A mechanical malfunction.
- **Phone Line Interruption:** A loss of phone line connection. The event will be reported to T.M.A computer during the scheduled maintenance call after the line connection is restored.
- **Microprocessor Self-Test:** The phone detects and reports corruption in its operational memory during the diagnostic self-testing.



TECHNICAL SPECIFICATIONS

T.M.A. Compatibility profile type	GTC S.M.A.R.T. Handset
Auto-dial digit limit	24 digits

Electrical

Minimum loop current (48 V dc only)	20 MA
Operation	Loop Start
Volume Control	4 step (-6 dB, 0 dB, 6 dB, 12 dB)
Isolated solid state switch (optional)	480 V dc @ 125 mA 280 V _{RMS} @ 80 mA _{RMS}

Mechanical

Operating temperature range	-40° C to +60° C
Relative humidity	to 95%, no condensation

Model 227-003

Construction	Thick-walled cast aluminum with protective gray coating
Handset/cord	G-style with 19-inch lanyard armored cord
Dimensions	13.50 H x 9.70 W x 6.15 D inches
Weight	14.0 lbs.

Model 257-003

Construction	High impact, glass-reinforced polyester
Handset/cord	6-foot Hytre TM cord with noise-canceling mic
Dimensions	13.20 H x 9.40 W x 7.40 D inches
Weight	9.5 lbs.

Model 277-003

Construction:	
Front Panel	14-gauge brushed stainless steel
Back Box	16-gauge cold-rolled steel with black polyurethane finish
Handset/cord	G-style with 29-inch lanyard armored cord
Dimensions:	
Front Panel	12.00 H x 10.00 W inches
Back Box	10.06 H x 8.43 W x 2.44 D in.
Back Box (depth mounting surface)	2.38 inches
Panel Cutout	10.06 H x 8.43 W inches
Weight	9.5 lbs.

Approvals

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

47 CFR Party 68

IC Certification Number	US: ADGTE04B0414HAC
Ringer Equivalence Number	.4B
Connection Method	RJ11

IC Information (Canada)

IC Certification Number	882B-GTC S.M.A.R.T.
Ringer Equivalence Number	.4B
Connection Method	CA11A

Pub. 040803



GAI-Tronics® - USA Toll Free: 1 (800) 492-1212 Tel: (610) 777-1374 Fax: (610) 796-5954 www.gai-tronics.com

GAI-Tronics® Limited, UK Tel: +44 (0)1283 500500 Fax: +44 (0)1283 500400 www.gai-tronics.co.uk
 GAI-Tronics® S.r.l, Italy Tel: +39 02 48601 460 Fax: +39 02 4585 625 www.gai-tronics.it
 GAI-Tronics® - Malaysia Tel: +60-3-8945-4035 / 8945-7348 Fax: +60-3-8945-4675 www.gai-tronics.com
 Austdac - GAI-Tronics® - Australia Tel: 011-61-28-851-5000 Fax: 011-61-29-899-2490 www.austdac.com.au

Quality Management Systems Certified - ISO9001:2000

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