

Features

- **Extended temperature range:**
- 40° to +140°F
- **Standard analog telephone line powered (no extended power required)**
- **Anti-corrosive enclosure**
- **Auto dials up to 31 digits**
- **Hearing aid compatible**
- **Non-movable hookswitch**
- **Volume Control Handset**
- **Noise-canceling microphone**
- **Non-volatile electronic memory (stand-by batteries are not required)**



257-001 Outdoor Phone



247-001 Indoor Phone



277-001 Flush Panel Phone



227-001 Tough Phone

GAI-Tronics® wide variety of indoor and outdoor Industrial Telephones are designed for those applications where standard telephones are not environmentally suitable. Such applications include public areas, plant entrances, college campuses, airports, commercial locations, parking garages and amusement parks.

GAI-Tronics® has been manufacturing rugged industrial communications equipment for over 50 years and consistently strive to meeting and exceed customer requirements. As an ISO9001:2000 certified company, we maintain the highest quality standards and are proud that our equipment is manufactured in the U.S.A.

Since our industrial telephones are often installed in the harshest environments, durability and performance are extremely important.

GAI-Tronics® auto-dial telephones allow the user to program up to a 31-digit telephone number in the unit's memory. The auto-dial telephones are programmed to automatically dial when the handset is taken off hook. The phones have a detachable programming keypad, preventing unauthorized tampering of the pre-programmed phone number. The non-moveable proximity hook-switch prevents dust, dirt and moisture from entering the front panel of the phone. The sealed electronic ringer also prevents contaminants from entering the housing.

The 247 indoor and 257 outdoor series Auto-dial Telephones are constructed of a high-impact, anti-corrosive enclosure with an industrial strength six-foot Hytel® handset cord. The Hytel® cord is unique in that it can withstand 250 pounds of pull strength, and remains flexible in extreme temperatures, unlike PVC cords that withstand up to 40 pounds of pull strength and begin to deteriorate at -14°F.

GAI-Tronics® 227 series Tough Phone was developed for public and industrial areas requiring a virtually indestructible telephone. Each Tough Phone is housed in a 1/4-inch thick, sand-cast aluminum enclosure, coated with an exterior polyurethane finish. Standard equipment includes a spring return door, 15-inch lanyard armored cord resistant up to 800 pounds of pull strength, proximity metallic hook-switch and tamperproof hardware.

The 277 series telephone is designed to flush mount or surface mount (using 236 series enclosure). This unit has a brushed stainless steel faceplate with a metallic non-moveable hook-switch. Standard equipment also includes a 29-inch lanyard armored cord, resistant up to 800 pounds of pull strength and tamperproof hardware.

Note: Part number 233 Tamper resistant screwdriver is required for installation of the models 227 and 277 telephones.

Standard Auto-dial Industrial Telephones

TECHNICAL SPECIFICATIONS

Electrical

| | |
|------------------|--|
| Current | Minimum 20mA dc; Maximum 60mA dc |
| Voltage | 24 V dc to 60 V dc (not polarity sensitive) |
| Auto-dial digits | 31 |

Environmental

| | |
|-----------------------------|-----------------------------------|
| Operating temperature range | -40° to +60° C -40° to +140° F |
| Relative humidity | to 95%, no condensation |

Model 247-001 and 257-001

| | | |
|------------|--|-------------------------------|
| Enclosure | High impact, glass reinforced polyester | |
| Dimensions | 247 Series | 8 W x 9.5 H x 6.9 D inches |
| | 257 Series | 9.4 W x 13.2 H x 7.4 D inches |
| Weight | 247 Series | 6.0 lbs. |
| | 257 Series | 8.2 lbs. |

Model 227-001

| | |
|------------|--|
| Enclosure | 1/4 inch thick sand-cast aluminum with protective exterior polyurethane gray finish |
| Dimensions | 13.5 H x 9.7 W x 6.1 D inches |
| Weight | 18 lbs. |

Model 277-001

| | |
|------------|-------------------------------------|
| Panel | 14-gauge brushed stainless steel |
| Dimensions | 12 H x 10 W inches |
| Weight | 6.5 lbs. |

Ringer Level (avg. @ 2 ft.)

| Model | Door Open | Door Closed |
|------------|------------|-------------|
| 227 Series | 92 dBA SPL | 74 dBA SPL |
| 247 Series | 92 dBA SPL | N/A |
| 257 Series | 91 dBA SPL | 84 dBA SPL |
| 277 Series | 86 dBA SPL | N/A |

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 | 1.3B |
| Network connections (USOC) | RJ11 |

IC Information (Canada)

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|---------------------------|----------|
| IC Certification Number | 82211754 |
| Ringer Equivalence Number | .4B |
| Connection Method | CA11A |

Pole-Mount Kits

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| 230 Pole-mounting kit for 257 Series |
| 231 Pole-mounting kit for 247 Series |
| 232 Pole-mounting kit for 227 Series |
| 233 Tamper Resistant Screw Driver for 277 Series and 227 Series phones |
| 236YL, 236RD and 236BK: Wall-mount enclosures for surface mounting 277 series |

Option Accessories

| Order Code | Description | Available on Models | | | |
|---------------|--------------------------------------|---------------------|------------|------------|------------|
| | | 227 Series | 247 Series | 257 Series | 277 Series |
| AC | 15" Armored Cord | STD | * | * | |
| A2 | 29" Armored Cord | | * | * | STD |
| H1 | 15' Hytrel® Cord | | * | | * |
| H2 | 25' Hytrel® Cord | | * | | * |
| SK | Spring Door Return | STD | | * | |
| LD | Keylock Door | * | | * | |
| TR | PCBA Conformal Coating | * | * | * | * |
| | Consult Factory For Special Paint | * | | * | |

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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.