Standard Auto-dial Industrial Telephones
Model 227-001, 247-001, 257-001 & 277-001

GAI-TRONICS®

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)**

- **Conformally-coated Printed Circuit Board Assembly**

257-001 Outdoor Phone

247-001 Indoor Phone

227-001 Tough Phone

277-001 Flush Panel 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 Hytrel® handset cord. The Hytrel® 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.

TECHNICAL SPECIFICATIONS

Electrical

Current	Minimum 20mA dc; Maximum 60mA dc
Voltage	24 V dc to 60 V dc (not polarity sensitive)
Auti-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		Non-metallic
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 Party 68

Certification Number	US: ADGTE04B0414HAC
Ringer Equivalence Number	1.3B
Network connections (USOC)	RJ11

IC Information (Canada)

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

Pole-Mount Kits

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: Surface-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		*		*	