

Rugged Telephones - Keypad

Models 226-001, 246-001, 256-001 & 276-001



Features

- **Extended Temperature Range:**
- 40° to +140°F
- **Standard Analog Telephone Line Powered (No External Power Required)**
- **Anti-corrosive Enclosure**
- **Braille Metallic Keypad**
- **Hearing Aid Compatible**
- **Non-movable Hookswitch**
- **Volume Control Handset**
- **Noise-canceling Microphone**
- **Non-volatile Electronic Memory (Stand-by Batteries Not Required)**
- **Conformally-coated Printed Circuit Board Assembly**



256-001 Outdoor Telephone



246-001 Indoor Telephone



276-001 Flush Panel Telephone



226-001 Tough Phone

GAI-Tronics' wide variety of indoor and outdoor Rugged 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 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 Rugged Telephones are often installed in the harshest environments, durability and performance are extremely important. The internal electronics (PCBA) are conformally coated for protection from moisture.

GAI-Tronics' Rugged Telephones include standard items such as a proximity detecting hookswitch with no moving parts and a sealed keypad to keep out dust, dirt and moisture. The sealed electronic ringer also prevents contaminants from entering the housing. Other standard features are noise-canceling microphones and volume control handset. These telephones are fully line powered, and do not require an internal battery.

The 246 indoor and 256 outdoor series Rugged Telephones are constructed of a non-metallic enclosure with an industrial strength six-foot Hytre!® handset cord. The Hytre!® cord is unique that it can withstand 250 pounds of pull-strength and remains flexible in the most extreme temperatures, unlike PVC cords that are limited to 40 pounds of pull-strength and begin to deteriorate at -14°F temperature range.

GAI-Tronics' 226 series Tough Phone was developed for public and rugged 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 400 pounds of pull-strength, proximity metallic non-moveable hook-switch and tamper resistant hardware.

The 276 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 tamper resistant hardware.

Note: Part number 233 Tamper resistant screwdriver is required for installation of the models 226 and 276 telephones.

TECHNICAL SPECIFICATIONS

Electrical

Current	Minimum 20mA dc; Maximum 60mA dc
Voltage	24 V dc to 60 V dc (not polarity sensitive)
Signaling	DTMF

Environmental

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

Model 246-001 and 256-001

Enclosure		Non-metallic
Dimensions	246 Series	8 W x 9.5 H x 6.9 D inches
	256 Series	9.4 W x 13.2 H x 7.4 D inches
Weight	246 Series	6.0 lbs.
	256 Series	8.2 lbs.

Model 226-001

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 276-001

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
226 Series	92 dBA SPL	74 dBA SPL
246 Series	92 dBA SPL	N/A
256 Series	91 dBA SPL	84 dBA SPL
276 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: ADGTE10A-46048HAC
Ringer Equivalence Number	1.3B
Network connections (USOC)	RJ11

IC Information (Canada)

IC Certification Number	82211754
Ringer Equivalence Number	1.3B
Connection Method	CA11A

Pole-Mount Kits

230 Pole-mounting kit for 256 Series
231 Pole-mounting kit for 246 Series
232 Pole-mounting kit for 226 Series
233 Tamper Resistant Screw Driver for 276 Series and 226 Series phones
236YL, 236RD and 236BK: Surface-mount enclosures for surface mounting 276 series

Option Accessories

Order Code	Description	Available on Models			
		226 Series	246 Series	256 Series	276 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	*		*	
	Consult Factory For Special Paint	*		*	