

# Hazardous Area Telephones

Division 2 Industrial Telephones



## Features

- **Hazardous Area approved for:**  
**Class I, Division 2, Groups A, B, C, D;**  
**Class II, Division 2, Groups F and G;**  
**Class III**
- **Economical Communications for Division 2 Areas**
- **Indoor and Outdoor Models**
- **Anti-corrosive Enclosures**
- **Hearing Aid Compatible (HAC) with Pushbutton Volume Control**
- **Hytrell Coiled Cord or Straight Armored Cord**
- **Sealed Chrome-plated Keypad**
- **Extreme Operating Temperature Range**
- **Conformal Coating on PCBA**



**Model 226-002**  
**Div. 2 Tough Phone**

**Model 341-001**  
**Indoor Div. 2 Telephone**



**Model 351-001**  
**Outdoor Div. 2 Telephone**



GAI-Tronics Division 2 Industrial Telephones are approved for select Division 2 areas. Three available models offer a selection of high-quality, durable telephones for safe communications in your facility.

Providing communications in Division 2 areas has traditionally required the installation of Division 1 approved equipment which exceeds the Division 2 standards and drives costs higher than necessary. GAI-Tronics offers economical alternatives. Our Model 341-001 Indoor Industrial Telephone and Models 351-001 and 226-002 Outdoor Industrial Telephones provide fully-functional, line-powered communications that are approved for use in Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Class III classified areas. Our outdoor models have a

Type 3R weatherproof rating. Housed in corrosion-resistant enclosures, these units offer superior resistance to chemicals, solvents, salts, and extreme temperatures. Each unit is equipped with a chrome-plated zinc keypad that is fully sealed to prevent entry of dirt, contaminants, and water. The coiled handset cord on our non-metallic models (341-001 and 351-001) is molded of thermoplastic elastomer to provide outstanding performance, memory, and long life. The armored cord on our Model 226-002 Tough Phone model is rated at 800 lbs. of pull strength. The non-movable handset cradle uses a proximity-detecting switch to take the phone off-hook.

All models are designed for operation within a temperature range of -40° C (-40° F) to 60° C (140° F).

**Option Chart** To order a Div. 2 Telephone with the desired option, simply add the option code(s) to the part no. as a suffix (Examples: 351-001LD or 341-001H2)

Option Code	Description	226-002	341-001	351-001
LD	Keylock Door Option	X	No door	X
AC	15" Armored Handset Cord Option	Standard	X	X
A2	29" Armored Handset Cord Option	Not available	X	X
H6	6 Ft. (extended) Hytrell® Handset Cord Option	X	Standard	Standard
H1	15 Ft. (extended) Hytrell® Handset Cord Option	Not available	X	X
H2	25 Ft. (extended) Hytrell® Handset Cord Option	Not available	X	V-notch required

## Specifications for Division 2 Industrial Telephones

### Electrical (Typical)

Frequency Response	300 to 3,000 Hz
Inter-digit Pause	100 ms
Min. Loop Current	20 mA
Signaling tone (DTMF)	100 ms Tone Duration
Supervisory DC Current	Minimum 20 mA dc, Maximum 60 mA dc
Supervisory DC Voltage	24 V dc to 60 V dc (not polarity sensitive)
Network Interface	Loop Start
Network Signaling	DTMF
Connections	6.5-foot (1.98 m) modular line cord

### Environmental

Operating Temperature	-40°F to +140°F (-40°C to +60°C)
Humidity	90% non-condensing

### Model 226-002 - Mechanical

Enclosure	1/4" thick cast aluminum
Finish	Gray polyurethane enamel
Front panel	0.125-inch brushed anodized aluminum (secured with security screw – Torx T-25)
Handset/Cord	"G" style with armored cord and volume switch
Keypad (Braille)	Chrome-plated zinc
Ringer Level at 2 feet	Door Open @ 92 dBA SPL Door Closed @ 74 dBA SPL
Dimensions	9.7 W x 13.5 H x 6.1 D inches (246 x 343 x 155 mm)
Weight	18.0 lbs (8.16 kg)

### Model 341-001 and 351-001 - Mechanical

Enclosure	Non-metallic
Handset/Cord	"G" style handset/Hytrel®, 6-foot extended length (standard) and volume switch
Dimensions:	
Model 341-001	8 W x 9.5 H x 6.9 D inches (204 x 242 x 174 mm)
Model 351-001	9.4 W x 13.2 H x 7.4 D inches (239 x 334 x 189 mm)
Mounting	Four (4) 0.280-inch diameter holes
Weight:	
Model 341-001	6.0 lbs. (2.7 kg)
Model 351-001	8.2 lbs. (3.72 kg)
Ringer Level at 2 feet:	
Model 341-001	92 dBA SPL
Model 351-001	Door Open @ 91 dBA SPL; Door Closed @ 84 dBA SPL

### FCC Information

FCC Registration Number	US: ADGTE10A-46048HAC
Ringer Equivalence Number (REN)	1.0A/1.3B
Network Connection (USOC)	RJ11
Meets hearing aid compatibility magnetic field intensity and volume control technical standards per FCC Sections 68.316 and 68.317.	

### IC Information (Canada)

IC Certification Number	82211754
Ringer Equivalence Number (REN)	1.0A/1.3B
Connecting Method	CA11A

### Hazardous Area Approvals

Class I, Division 2, Groups A, B, C, D	ANSI / ISA 12.12.01 / CSA - C22.2 No. 157
Class II, Division 2, Groups F and G; Class III	ANSI / ISA 12.12.01 / CSA - C22.2 No. 157
Safety of Information Technology Equipment	UL508 & CAN/CSA-C22.2 NO. 60950-00
Enclosures for Electrical Equipment (Models 351-001 and 226-002 Only)	UL 50 Type 3R / NEMA 3R

## Ordering Information

<b>226-002</b> Div. 2 Tough Phone	<b>231-001</b> Pole Mtg. Kit for 341-001
<b>341-001</b> Indoor Div. 2 Telephone	<b>232-001</b> Pole Mtg. Kit for 226-002
<b>351-001</b> Outdoor Div. 2 Telephone	<b>233-001</b> Security Screwdriver for 226-002
<b>230-001</b> Pole Mtg. Kit for 351-001	



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