



**GAI-TRONICS® CORPORATION**  
A HUBBELL COMPANY

# Model 246-001

## Industrial Telephone with Keypad

### General Information

This data sheet applies to the GAI-Tronics Model 246-001 Industrial Telephone, which is ideally suited for conditions that are too harsh for a standard telephone. The telephone operates in the same manner as a standard telephone—simply lift the handset and dial the desired telephone number. The telephone is fully line-powered and does not require internal batteries.

The telephone includes one isolated solid state switch capable of switching a maximum of 48 V dc, 125 mA or 28 V<sub>RMS</sub> ac, 80 mA<sub>RMS</sub>. The auxiliary output allows peripheral equipment, such as beacons, video cameras, and alarm generators, to be activated when the handset is off hook.

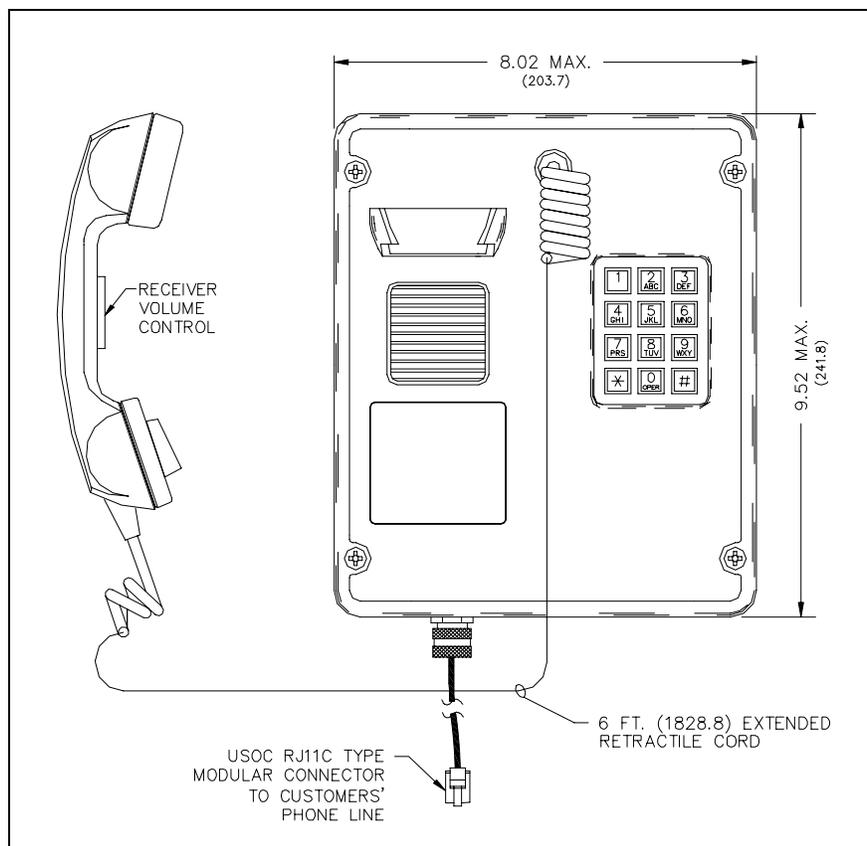


Figure 1. Model 246-001 Outline Drawing

# Specifications

## Electrical (Typical)

Frequency response .....	300–3,000 Hz
Inter-digit pause .....	100 ms
Minimum 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
Auxiliary output (isolated solid state switch).....	48 V dc @ 125 mA 28 V <sub>RMS</sub> ac @ 80 mA <sub>RMS</sub>
Network signaling .....	DTMF

## Environmental

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

## Mechanical

Enclosure .....	High-impact, glass-reinforced polyester
Handset cord .....	“G” style handset/Hytrel® 6-foot extended length (standard) and volume switch
Connections .....	6.5-foot (1.98 m) modular line cord
Dimensions, outside .....	8 W × 9.5 H × 6.9 D inches (204 × 242 × 174 mm)
Mounting .....	Four 0.280-inch diameter holes
Weight .....	6.0 lbs. (2.7 kg)

## Approvals

Safety of Information Technology Equipment.....	UL 60950 and CAN/CSA-C22.2 NO. 60950-00
Enclosures for Electrical Equipment .....	UL 50 TYPE 3R/NEMA 3R

## 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