



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

## Model 226-001

### Industrial Telephone with Keypad

#### General Information

This data sheet applies to the GAI-Tronics Model 226-001 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.

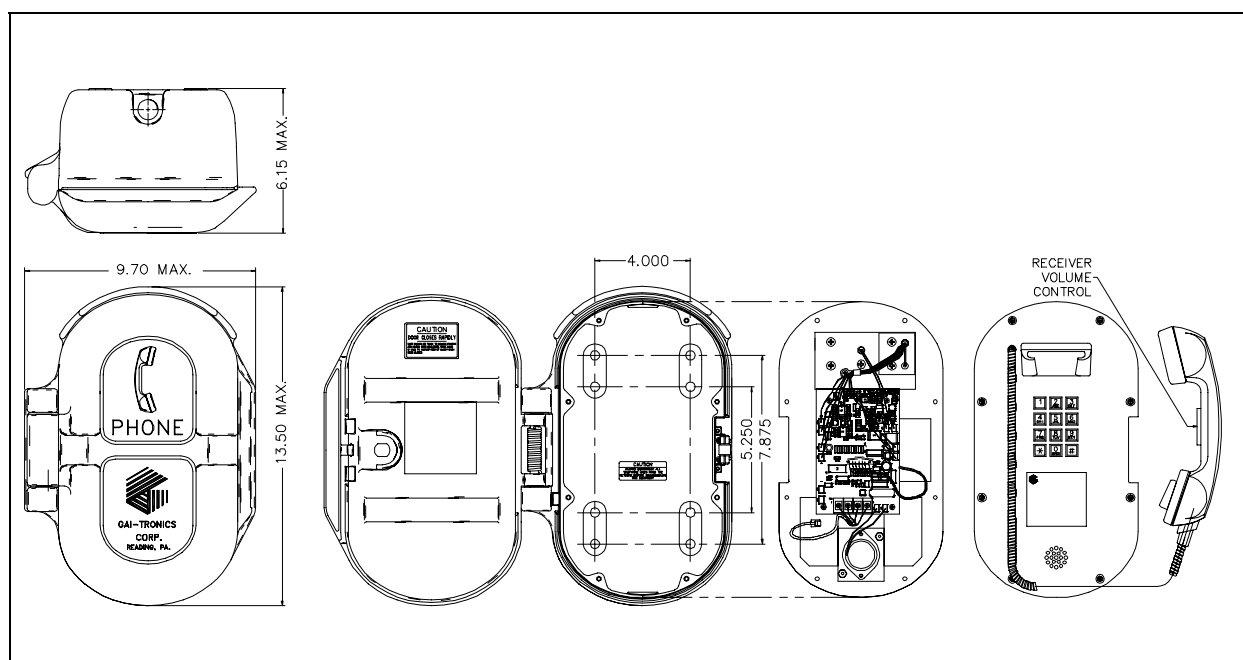


Figure 1. Model 226-001 Outline and Mounting Diagram

# 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 .....                        | 24–60 V dc (not polarity sensitive)                               |
| Network interface.....                              | Loop start                                                        |
| Auxiliary output (isolated solid state switch)..... | 48 V dc @ 125 mA<br>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

### Construction

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| Enclosure .....    | Thick-walled cast aluminum with protective gray coating |
| Panel.....         | 0.125-inch brushed aluminum                             |
| Finish .....       | Gray polyurethane enamel                                |
| Handset/Cord ..... | “G” style with armored cord and volume switch           |
| Dial pad .....     | Chrome-plated zinc                                      |
| Front panel .....  | 0.125-inch brushed anodized aluminum                    |
| Hookswitch .....   | Chrome-plated zinc, Stationary switching mechanism      |
| 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     |