



Features

- **Wall-mount Cast Aluminum Enclosure**
- **Simple Cabling with 2 wires, star feed**
- **Modern digital SMD technology**
- **600 Ohm External Audio**
- **Private full duplex handset communication**
- **Headset, gooseneck microphone and handset options**
- **Single touch speed dialing**
- **UL-Listed for Division 2 Hazardous Areas**

The GAI-Tronics DHS/DHF Series Digital Intercom Stations are designed for use in hazardous and non-hazardous area communications, both indoors and outdoors, and in high noise areas.

The DHS/DHF Series Digital Intercom stations are ideal for both large and small intercom systems. The systems can be upgraded to include alarms, radio interface, telephone interface, music, etc. All communication to the station is via a two-wire digital communication line.

The DI station provides instantaneous high speed connections and clear, crisp digital voice quality. Each station offers single-button all call, priority emergency paging, group paging, speed dial,



Benefits

- **Rugged Design, stands up to harsh industrial environments**
- **Provides safe communication in Hazardous areas**
- **Simple installation**
- **16-button keypad with configurable buttons**
- **Allows hands-free communications**
- **Allows users flexibility to choose point-to-point call, group call, all-call, priority call, and conference call**

conference call, and relay output. Any station can call any other station(s) in a Digital Intercom System. With the headset or gooseneck microphone options, each is capable of hands-free voice communication.

The stations have direct access by using the keypad, pre-programmed keys or speed dials. This allows the user the capability of performing point to point private calls. Additionally, the system may be configured to allow group calls, conference calls and all call announcements.

A Windows based configuration tool allows the user to program the system parameters and update the system setting when required.

Technical Specifications

Wall-Mount Intercom

Power Input	AC Power: 24 V, 50/60 Hz DC Power: 24 V
Frequency Response	200–7,000 Hz, +0/-3 dB ref. @ 1 kHz
Housing	Cast aluminum painted safety orange
Physical size	9.5 H × 8.0 W × 4.0 D inches (241.3 × 203.2 × 101.6 mm)
Operating Environment	-4°F to + 140° F (-20° C to +60° C)
Weight	DHF-101: 8.0 lbs. DHF-101GN: 8.7lbs. DHF-102: 8.7 lbs. DHS-101: 9.2 lbs.
Mounting	Wall Mounted

Flush-Mount Hands-free Intercom

Power Input	AC Power: 24 V, 50/60 Hz DC Power: 24 V
Frequency Response	200–7,000 Hz, +0/-3 dB ref. @ 1 kHz
Housing	14-gauge brushed stainless steel
Physical size	Panel: 12.0 H × 10.0 W inches (304.8 × 254 mm) Back box (depth from mounting surface) : 2.38 inches (60.5 mm)
Operating Environment	-4°F to + 140° F (-20° C to +60° C)
Weight	DHF-103: 7.0 lbs. DHF-104: 7.5 lbs.
Mounting	Flush Mounted

Remote Speaker Amplifier

Power Input	AC Power: 24 V, 50/60 Hz DC Power: 24 V
Frequency Response	200–7,000 Hz, +0/-3 dB ref. @ 1 kHz
Housing	Cast aluminum painted safety orange
Physical size	9.5 H × 8.0 W × 4.0 D inches (241.3 × 203.2 × 101.6 mm)
Operating Environment	-4°F to + 140° F (-20° C to +60° C)
Weight	DSA-101: 7.0 lbs.
Mounting	Wall Mounted

Model Numbers

**Hazardous Wall-Mount Handset
Intercom (NRTL Div. 2)** **DHS-101**

**Hazardous Wall-Mount Hands-free
Intercoms (NRTL Div. 2)**
Single Button **DHF-101**
16 Button Keypad **DHF-102**

Wall-Mount Hands-free Intercom
16 Button Keypad with Gooseneck **DHF-101GN**

Flush-mount Hands-free Intercom
Single Button **DHF-103**
16 Button Keypad **DHF-104**

**Hazardous Remote Speaker Amplifier
(NRTL Div. 2)** **DSA-101**

Approvals

Designated models are NRTL (UL) Listed for Class I, Division 2, Groups, A,B,C, and D; Class II, Division 2, Groups F and G; Class III, Division 2 hazardous locations.

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Quality Management Systems Certified - ISO9001:2000

The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.