

NEMA 4X Rugged Telephone

Model 354-001 Series



Features

- **Non-metallic, Corrosion-proof Enclosure (gray, red, yellow, or orange)**
- **NEMA 4X Weather Rating with Door Closed and Latched; NEMA 3R Weather Rating with Door Open**
- **Line-powered, Analog Operation**
- **Heavy-duty Handset with Noise-cancelling Microphone, Hearing Aid Compatible Receiver, and Hytrel® Coiled Cord (6-ft. extended)**
- **Brushed Stainless Steel Front Panel with Push-button Volume Control**
- **Chrome-plated Metal Keypad with Protective Rubber Boot with Braille Reference**
- **Magnetic Reed, Non-moveable Hookswitch**
- **Integral Ringer, 85 dB SPL**
- **Stainless Steel, Security Panel Mounting Screws (Torx T-25, ¼" drive tip included with each telephone)**
- **Stainless Steel Assembly Hardware**
- **Conformal-coated Printed Circuit Board**
- **Off-hook Detect Contact Closure Output**
- **-40° C to +60° C Temperature Range**
- **Spring Door Closure Option**
- **Keylock Door Option**
- **Ring Detect Relay Option**
- **UL/CSA 60950 Listed**



Typical installation locations include:

- **Food Processing Facilities**
- **Water Parks / Pools**
- **Ship-board, Seaboard Locations**
- **High Humidity Installations**
- **Wash-down, Hose-down Installations**

GAI-TRONICS' Model 354-001 Series NEMA 4X Rugged Telephones are designed for use in extreme weather conditions where temperature and moisture are a concern. They are ideal for use in areas that require a direct water spray (hose-down) for cleaning purposes or where a non-corrosive material is required. The 354-001 Series Rugged Telephone is perfectly suited for areas considered too harsh for a standard telephone.

The Model 354-001 Series NEMA 4X Rugged Telephone operates in the same manner as a standard telephone - simply lift the handset, listen for dial tone, and dial the desired number. The telephone is completely line powered. The rugged, noise-cancelling, hearing aid-compatible handset includes a 6-foot (extended) Hytrel® coiled cord that retains its coil memory better than any other material available. The sealed, metal keypad is additionally protected by a rubber boot that has a Braille reference. The non-metallic enclosure is available in three colors and the stainless steel front panel, stainless steel assembly hardware, and the conformal-coated electronics provide a superior resistance to corrosion.

Although the Model 354-001 Series Telephone is equipped with an electronic ringer, the ambient noise level may dictate a louder ring or a visual ring signal. A Ring Detect Relay option is available to control a peripheral sounder or strobe for ring notification in a high noise environment.

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Specifications

Electrical (Typical)

Frequency Response	300 to 3,000 Hz
Inter-digit Pause	100 ms
Minimum Loop Current	20 mA
Operation	Loop Start
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
Minimum Loop Center	20 mA
Network Signaling	DTMF
Off-hook Detect Output Rating	48 V dc @ 125mA
Ring Detect Relay PCBA (optional) Output Contact Rating	30 V dc/ac @ 5 A
Ringer Audio Level	85 dB SPL @ 1-ft. on axis

Environmental

Operating Temperature	-40° F to +140° F (-40° C to +60° C)
Humidity	90% non-condensing
Enclosures for Electrical Equipment	UL 50 TYPE 4X with door closed and latched

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

Mechanical

Enclosure (gray, yellow, or orange)	Engineered Plastic
Handset cord	"G" style handset/Hytrel® 6-foot extended length (standard)
Connections	Screw Terminals
Dimensions, outside	14.6 H x 10.9 W x 10.5 D inches (371 x 276 x 267 mm)
Mounting	Wall or column, four 0.44-inch (11mm) diameter mounting holes
Weight	12.0 lbs. (5.44 kg)

Safety Approvals

Safety of Information Technology Equipment	UL 60950 and Can/CSA-C22.2 NO. 60950-00
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Ordering Information

Model No.	Description
354-001	NEMA 4X Rugged Telephone, Gray
354-001OR	NEMA 4X Rugged Telephone, Orange
354-001YL	NEMA 4X Rugged Telephone, Yellow
354-001RD	NEMA 4X Rugged Telephone, Red

Accessories

Model No.	Description
12565-009	Ring Detect Relay Assembly Kit
233-001	Security Screwdriver
12576-130	Replacement Front Panel Assembly

Options: Add letter code as suffix to the end of the part no. (Example: 354-001ORLD for orange telephone with keylock door).

- LD - Keylock Door
- SK - Spring Door Closure
- AC - Armored Handset Cord, 15-inch
- H1 - 15 Ft. (extended) Hytrel® Cord



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Quality Management System Certified by DNV-GL - ISO 9001:2015. The policy of GAI-TRONICS is one of continuous improvement; therefore the company reserves the right to change specifications without notice.



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