



GAI-TRONICS®
A HUBBELL COMPANY

240WM-00xDC and 241WM-00xDC Wall-Mount Communication Stations

Confidentiality Notice

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General Information

The Models 240WM-00xDC and 241WM-00xDC Wall-Mount CS (Communication Station) are part of a completely integrated emergency telephone communications station. Both models are designed to house a GAI-Tronics flush-mount (397, 398, and 27x series) telephone (purchased separately). Each communication station includes a factory-installed, blue, LED strobe, with a constant-on feature. The strobe flashes when the installed telephone is activated and continues flashing until the call is terminated. See Publication 42004-438 for detailed telephone operation.

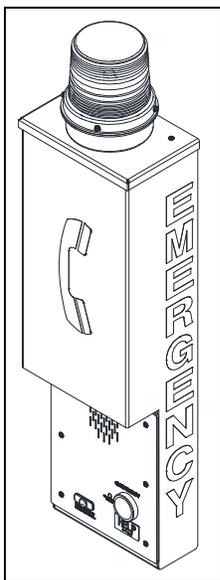


Figure 1.
Model 240WM-
00xDC

The Model 240WM-00xDC CS (see [Figure 1](#)) also includes a factory-installed LED panel light directly above a recessed panel. The telephone is mounted in the recessed panel under the LED panel light that illuminates the telephone in dimly lit areas.

The Model 241WM-00xDC CS (see [Figure 2](#)), does not have a recessed panel. The telephone mounts directly to the body surface. This model is intended for areas where telephone panel illumination is not necessary.

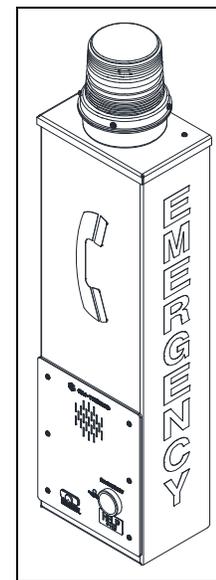
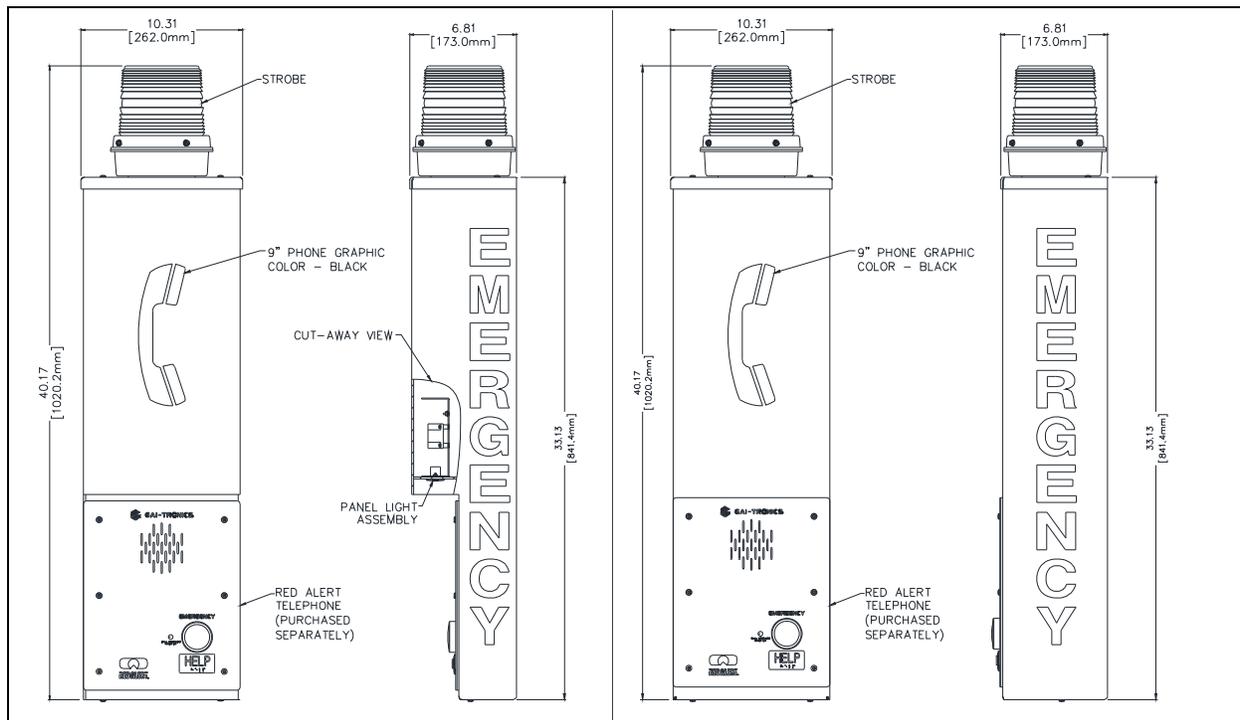


Figure 2.
Model 241WM-
00xDC



Model 240WM-00xDC

Model 241WM-00xDC

Figure 3. Wall-Mount Communication Stations Overall Dimensions

Grounding Requirements

This unit must be grounded in accordance with the National Electrical Code (NEC) in the United States or the Canadian Electrical Codes (CEC) in Canada. A #6 grounding stud has been provided on the rear wall-mount panel of the station for grounding. Connect the #6 grounding stud to a grounding electrode. A grounding electrode rod is typically 8 feet (2.44 m) long per NEC 250, or 9.84 feet (3 m) long per CEC Rule 10.

Installation

The following sections provide information for installation of the complete wall-mount communication station.

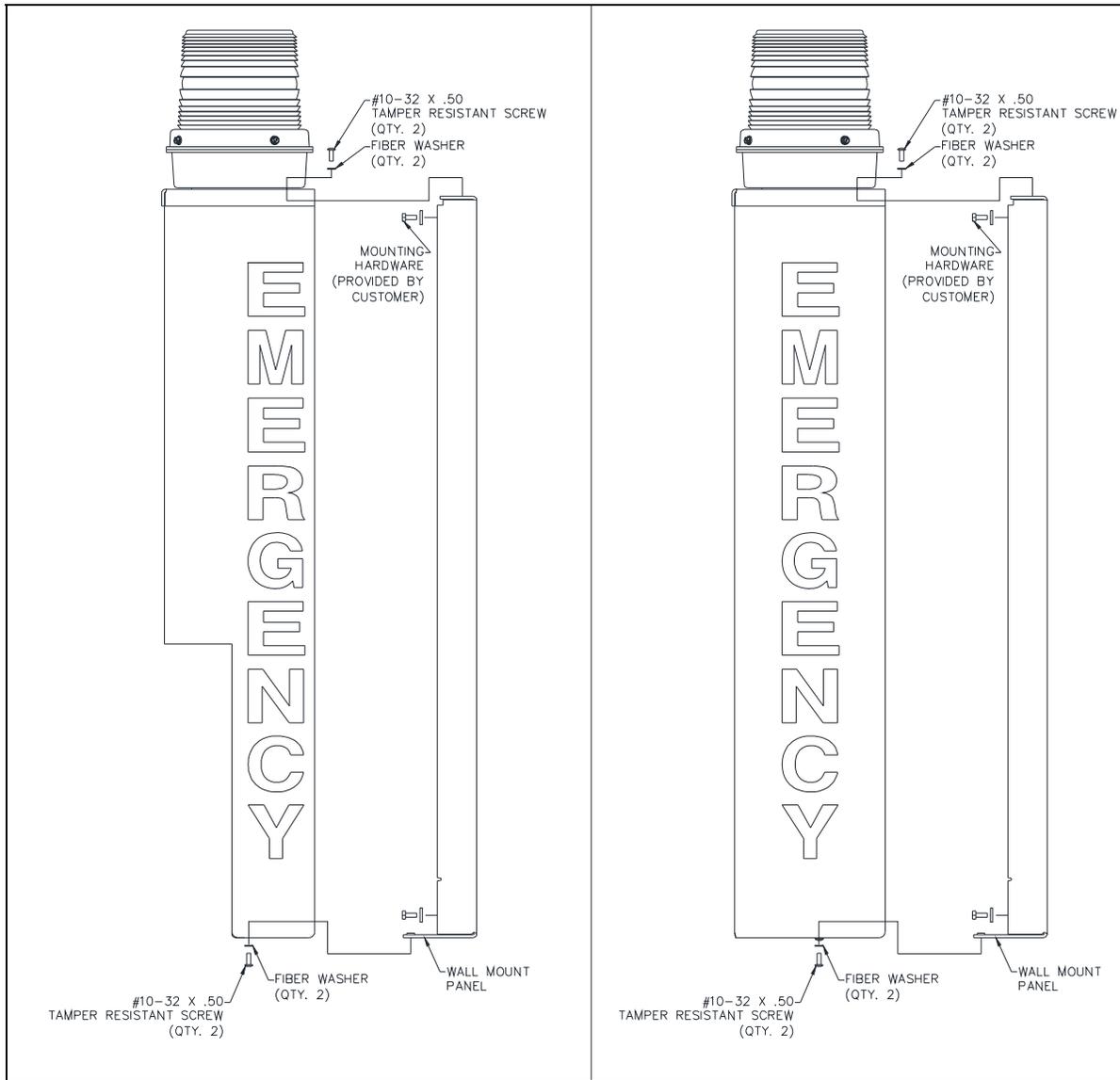
Mount the Communication Station

Complete the following steps to mount the station to a wall (see Figure 4):

1. Remove and save the two tamper-resistant screws located at the top of the communication station.
2. Remove and save the two tamper-resistant screws located at the bottom of the station.

NOTE: GAI-Tronics No. 233-001 Security screwdriver (sold separately) is required to remove the tamper-resistant screws.

3. Disassemble the front panel assembly by sliding the front enclosure from the rear mounting panel.
Place the front panel assembly safely aside.

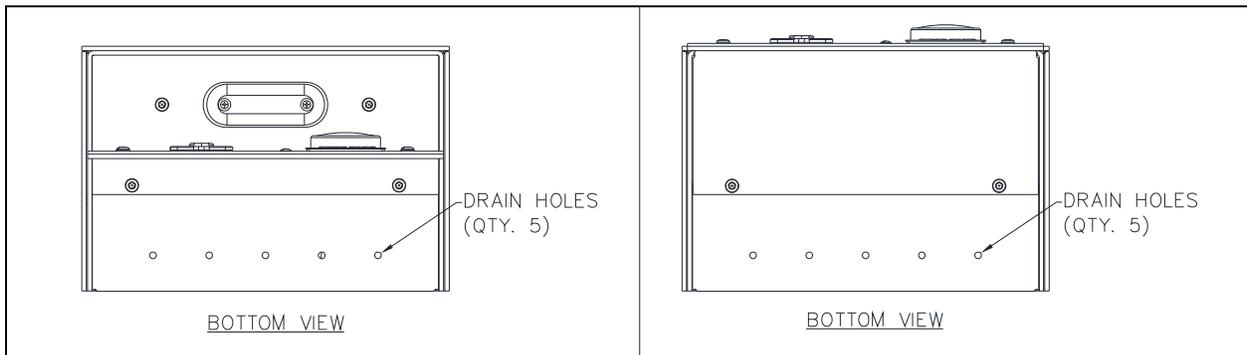


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Figure 4. Disassembly Instructions

4. Drill conduit entry holes in the rear wall-mount panel using the bottom drain-holes as pilot holes. The conduit entry holes are for the station power and communication cable entries (see [Figure 5](#)).



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Figure 5. Conduit Installation

- Fasten the rear wall-mount panel to a wall or flat surface using the four mounting holes in the panel (see Figure 6).

The mounting surface must be capable of supporting at least 30 pounds.

- Place the supplied rubber washers on the 1/4-inch mounting bolts for proper sealing (see Figure 4).
- Attach the rear mounting panel to the wall with the 1/4-inch diameter bolts and washers.

Wiring

Connect the dc input power conductors to the LED beacon and panel light power conductors (see Figure 7).

- Use the proper wire colors for each component's power input.
- A dc power surge protector is recommended for installation.

NOTE: Only Model 240WM-00xDC includes the panel light.

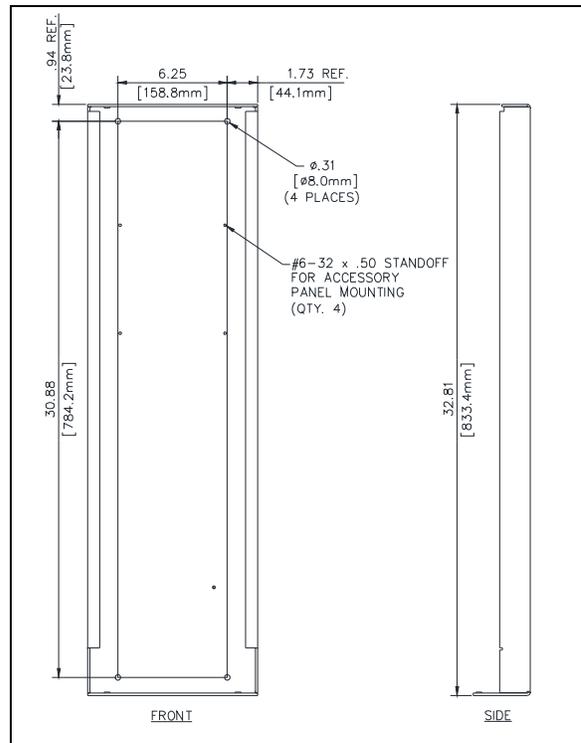


Figure 6. Rear Wall-mount Panel Detail

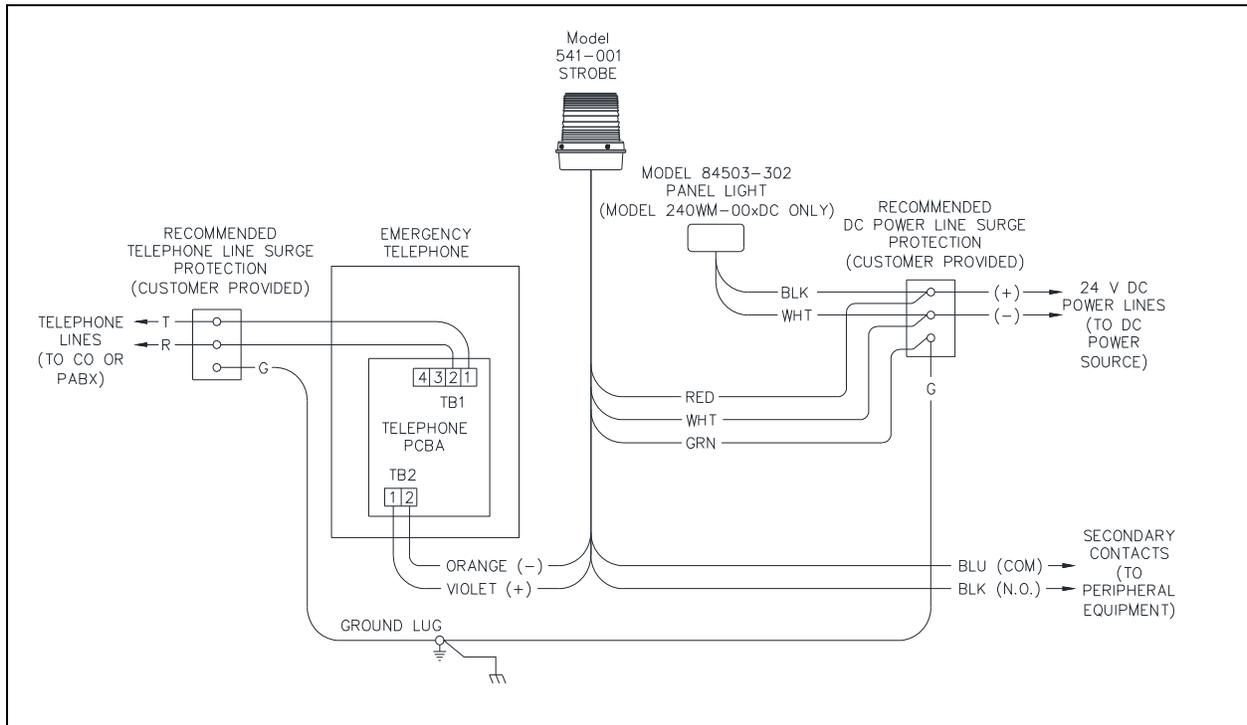


Figure 7. Installation Wiring

Front Enclosure Installation

1. Apply pressure to the front of the enclosure to compress the interior sealing gaskets.
2. With pressure applied, assemble the top tamper-resistant screws first, followed by the bottom screws.

NOTE: On irregular mounting surfaces, such as a block wall, the rear mounting panel may become deformed during installation. This may cause difficulty with aligning the top attachment screws. The top mounting hole diameter can be drilled larger to accommodate the installation; however, an additional sealing washer must be used if the clearance hole diameter is increased.

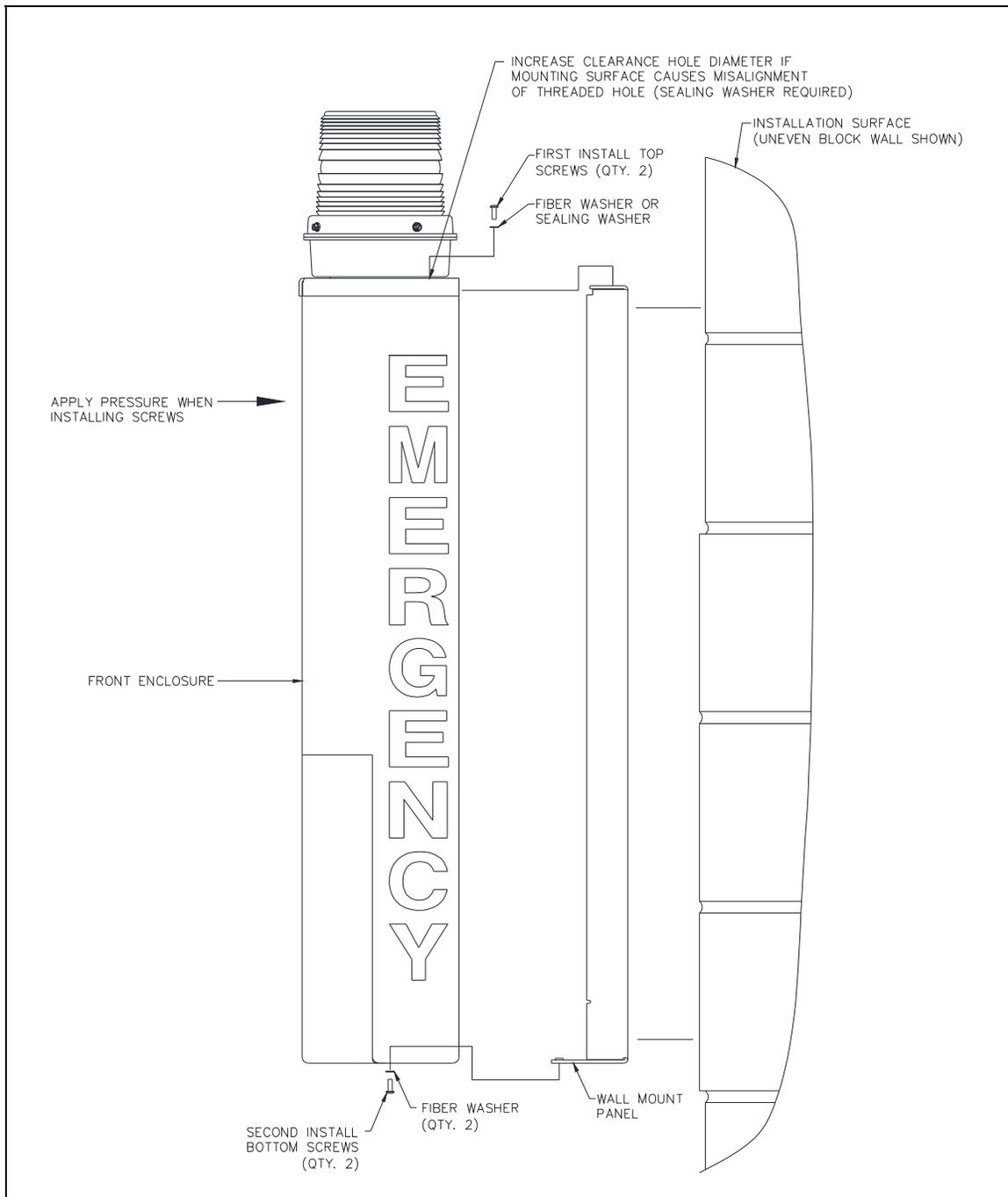
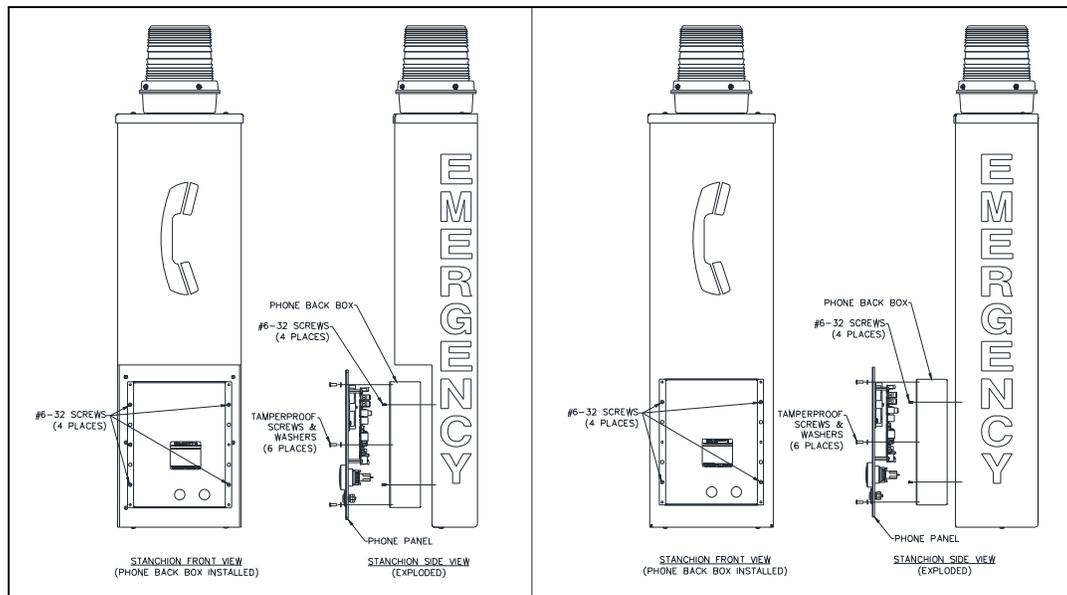


Figure 8. Front Enclosure Installation

Emergency Telephone Installation

Separate the back box from the front panel of the telephone. The parts envelope inside the back box contains eight #6-32 flat head screws, six tamperproof screws, six washers, and a hole plug.

1. Place the back box into the telephone opening from the front of the communication station.
 1. Mount the box using four #6-32 flat head screws (see Figure 9).
The telephone back box has two openings in the rear enclosure surface.
 2. Plug any unused entry location with the provided hole plug.



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Figure 9. Telephone and Back Box Installation

A (customer supplied) telephone line surge suppressor is recommended for installation.

2. Install a ground wire between the telephone line surge suppressor (sold separately) and the grounding lug on the rear wall-mount panel of the communication station.

The flush-mount telephone is shipped from the factory with a cable and modular plug attached to terminal block TB1.

3. *For a hard-wired installation:* Remove the cable with modular plug and discard it.
For a modular installation: Install a modular telephone jack inside of the back box.
4. Connect the telephone line to the surge protector.
5. Feed the telephone cable through one of the rear access holes of the telephone back box.
6. Connect the telephone line to the (customer supplied) modular plug connector jack or hardwire it to terminal block TB1.
7. Bring the orange and violet strobe unit wires through the second rear surface access hole in the back box.
8. Attach the LED beacon violet and orange control wires to terminal block TB2 on the telephone PCBA (see Figure 7).
9. Install the telephone's front panel using the six tamper-resistant screws and six washers provided.

NOTE: Do not over-tighten the panel. Excessive tightening will cause the panel to warp.

Maintenance

Powder-Coated Surface Scratch Repair

- Carefully sand the damaged area to clean and score the base metal.
Take care to minimize additional damage to the surrounding powder coating.
- Wipe the sanded area with a cleaning solvent, such as DuPont PrepSol[®]; normally available at auto parts stores, or equivalent. Denatured alcohol may also be used. Allow the area to dry.
- Prepare the bare metal surface for painting by treating it with a phosphoric acid solution intended for this purpose. The phosphoric acid solution is also normally available at auto parts stores. Allow the area to dry.
- Paint the prepared surface with an automotive enamel or oil base polyurethane enamel such as Red Devil[®], Rustoleum[®], or equivalent using a cotton-tipped swab or small brush. Do NOT use Krylon-type paints.
- Carefully blend the repair enamel into the powder coat at the edges.

NOTE: Exact color matches may not be attainable.

Decal Repair

- Use a very sharp instrument, such as an X-Acto-type knife, to loosen then lift a corner edge of the damaged decal.
- Carefully peel back and remove the loosened decal.
- Wipe the area clean with denatured alcohol. Allow the area to dry.
- Prior to attaching a new decal, dampen the target area with a fine mist of water (fine spray from a plant misting bottle is ideal).
- Peel the backing from the replacement decal, leaving the decal attached to the front cover material, and carefully align it with the target area.
- With the cover material still attached, press the replacement decal in place, then squeegee any water from under the new decal starting at the center and working toward the edges.
- Peel off the cover material, being careful not to tear or lift the decal. If the decal lifts as the cover material is being removed, push down on the uncovered decal, and squeegee as necessary to remove any large bubbles; small bubbles will disappear as the decal dries.

Replacement Parts

| Model | Description |
|-----------|--------------------------|
| 541-001 | LED Strobe, 24 V dc |
| 84503-302 | LED Panel Light, 24 V dc |
| 25398-011 | EMERGENCY Decal |
| 25398-012 | Phone Symbol Decal |

Warranty

Equipment. GAI-Tronics warrants for a period of one (1) year from the date of shipment, that any GAI-Tronics equipment supplied hereunder shall be free of defects in material and workmanship, shall comply with the then-current product specifications and product literature, and if applicable, shall be fit for the purpose specified in the agreed upon quotation or proposal document. If (a) Seller's goods prove to be defective in workmanship and/or material under normal and proper usage, or unfit for the purpose specified and agreed upon, and (b) Buyer's claim is made within the warranty period set forth above, Buyer may return such goods to GAI-Tronics nearest depot repair facility, freight prepaid, at which time they will be repaired or replaced, at Seller's option, without charge to Buyer. Repair or replacement shall be Buyer's sole and exclusive remedy. The warranty period on any repaired or replacement equipment shall be the greater of the ninety (90) day repair warranty or one (1) year from the date the original equipment was shipped. In no event shall GAI-Tronics warranty obligations with respect to equipment exceed 100% of the total cost of the equipment supplied hereunder. Buyer may also be entitled to the manufacturer's warranty on any third-party goods supplied by GAI-Tronics hereunder. The applicability of any such third-party warranty will be determined by GAI-Tronics.

Services. Any services GAI-Tronics provides hereunder, whether directly or through subcontractors, shall be performed in accordance with the standard of care with which such services are normally provided in the industry. If the services fail to meet the applicable industry standard, GAI-Tronics will re-perform such services at no cost to buyer to correct said deficiency to Company's satisfaction provided any and all issues are identified prior to the demobilization of the Contractor's personnel from the work site. Re-performance of services shall be Buyer's sole and exclusive remedy, and in no event shall GAI-Tronics warranty obligations with respect to services exceed 100% of the total cost of the services provided hereunder.

Warranty Periods. Every claim by Buyer alleging a defect in the goods and/or services provided hereunder shall be deemed waived unless such claim is made in writing within the applicable warranty periods as set forth above. Provided, however, that if the defect complained of is latent and not discoverable within the above warranty periods, every claim arising on account of such latent defect shall be deemed waived unless it is made in writing within a reasonable time after such latent defect is or should have been discovered by Buyer.

Limitations / Exclusions. The warranties herein shall not apply to, and GAI-Tronics shall not be responsible for, any damage to the goods or failure of the services supplied hereunder, to the extent caused by Buyer's neglect, failure to follow operational and maintenance procedures provided with the equipment, or the use of technicians not specifically authorized by GAI-Tronics to maintain or service the equipment. **THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES AND REMEDIES, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

Return Policy

If the equipment requires service, contact your Regional Service Center for a return authorization number (RA#). Equipment should be shipped prepaid to GAI-Tronics with a return authorization number and a purchase order number. If the equipment is under warranty, repairs or a replacement will be made in accordance with the warranty policy set forth above. Please include a written explanation of all defects to assist our technicians in their troubleshooting efforts.

Call 800-492-1212 (inside the USA) or 610-777-1374 (outside the USA) for help identifying the Regional Service Center closest to you.