



Installation Instructions

Call Station, with Backbox, Thermoplastic Alloy

2 Buttons – 78-8095-0914-0

1 Button – 78-8095-0938-9

No Buttons – 78-8095-0939-7

Introduction

The Thermoplastic Call Station Assemblies consist of a 3 1/2 inch, moisture-resistant eight-ohm, cone speaker used as a speaker/microphone: either no, one, or two push-button call switches: an acoustically designed speaker enclosure: a thermoplastic front grill: and a thermoplastic backbox. The speaker/microphone has a limited frequency response for reduced low and high frequency noise pickup when used as a microphone. The 1-Button enclosure contains an LED, which flashes when a call is placed and lights steady when in talk/listen mode. This feature requires an intercom equipped with call activity indicator functions. These Call Station Assemblies can be used with most 3M Intercom Systems.

Recommended Call Station Assembly Cable

Use only twisted-pair shielded audio cable having at least 20 AWG wires to connect the intercom to the Call Station Assembly.

WARNING: Do not route Call Station cables through the same conduit with 115 VAC electrical wiring. This violates the National Electrical Code and presents a safety hazard.

Mounting

The instructions below show two basic methods of mounting Call Station Assemblies; **Flush-Mounted** to a hole cut in the surface, or **Surface-Mounted** using the provided Backbox.

Flush-Mount

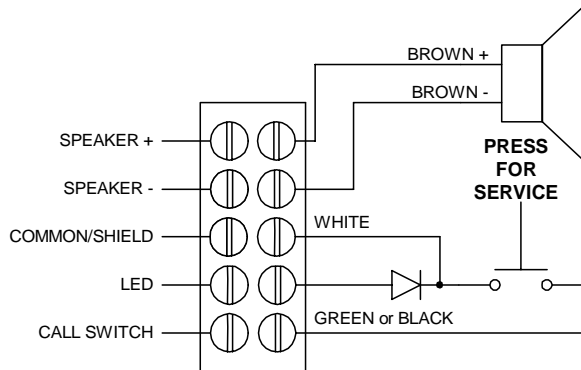
- Cut a 5-1/2 in. wide by 4-1/4 in. high opening in the mounting surface.
- Fit the Call Station cover over the cutout and mark the two mounting hole locations.
- Drill two holes for the mounting hardware (not supplied). Typical mounting hardware is #6 sheet metal screws and a #36 (0.1065" diameter) drill for pilot holes.

Surface-Mount (using thermoplastic backbox)

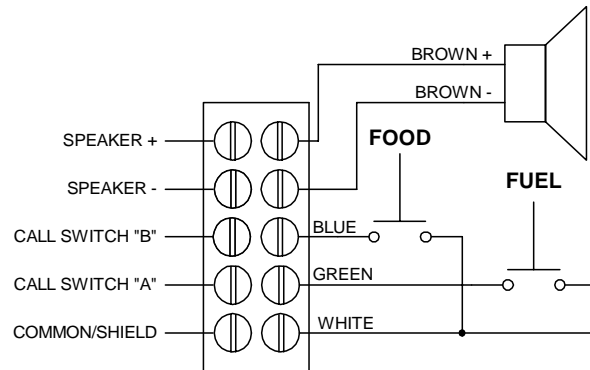
- If using conduit, remove a knockout from the rear or drill an appropriate-sized hole through the side. The two thin-walled sections at one corner are designed to accept a conduit pipe fitting. It is also possible to drill through the double-walls, but the outer hole must be enlarged to accept the conduit pipe fitting.
- Hold the Backbox against the mounting surface and mark the four mounting holes through the holes in the Backbox (and the cable hole if cable will exit the rear of Backbox).
- Drill four holes appropriate for the mounting hardware (not supplied) that you are using. Typical mounting hardware is #8 sheet metal screws and a #29 (0.136 in. diameter) drill for pilot holes. Drill an appropriately sized (1 in. recommended) cable hole if the cable will exit the rear of the Backbox.

Mounting (continued)

1. Route the Call Station cables from the intercom to the speaker cutout or Backbox, with about 12 in. of cable protruding. Use two wires plus shield for No-Buttons Call Station assembly. Use 4 wires plus shield for the One or Two-Button Call Station assemblies.
2. Strip the two speaker wires and attach them to the appropriate terminal blocks or, if installing the No-Button Call Station, directly to the speaker wires.
3. Strip the switch wires and attach them to the appropriate terminal blocks (see Wiring Diagrams below).
4. Mount the speaker cover to the cutout or Backbox
5. Fill the two mounting screw heads with epoxy to prevent theft.



1-Button Wiring Diagram



2-Button Wiring Diagram

Service Information

Most new installation problems result from overlooked instructions or wiring errors, so recheck everything if an installation problem occurs. Be sure that this product is suitable for the device you are connecting it to.

Users should contact their local authorized 3M Food Services Trade dealer for service on this product. For the name of your local dealer, repair, or installation information, call (800) 328-0033.

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