



## Model 3403 Apt. Station



## Model RH6 *optional* Adapter Plate

This station is designed to be surface mounted to a single or dual gang electrical box or directly to the apartment wall. Another option is to mount to a flush mount BB-30 back box or a surface mount BB-51 back box. A special adaptor plate is supplied with each unit for retrofitting to a two (2) gang back box. After installation, one of the bottom case mounting holes should be plugged with the plastic cap supplied with the screw mounting kit.

Use #22 gauge AWG (or heavier) tinned copper/plastic coated wire. Each wire should have a different color to aid in the connecting process.

### Recommended Color and Connections for 3-Wire systems

'C' - Black  
'T' - Red  
'B' - Grey

NOTE: Some older Auth-Florence stations reversed the colors on the 'B' and 'C' connections. If the standard recommended connection does not work, try reversing the 'B' and 'C' connections.



'T' and 'C' are wires 'common' to all apartments. The 'B' wire is a dedicated wire running from the vestibule push button panel and corresponds to the individual apartment station. It is a separate (home-run) wire for each apartment. It is recommended that you run 1 or 2 extra wires in your cable. Extra (spare) wires can be used to replace wires that may become damaged or broken. They may also be used in the future to change or upgrade the intercom system.

Cabling should not be run in the same conduit or in close proximity to electrical (AC) wiring, background music wiring, fluorescent lights or other equipment which may cause interference. The apartment intercom wires should be run separately from the vestibule (lobby) speaker wires.

Connect the common wires for 'T' and 'C' to each apartment station's 'T' and 'C' screw terminal. Connect the 'B' terminal to the individual apartment's lobby panel signal wire.

Before connecting the 'T' and 'C' wires to the amplifier, use a continuity (ohm) meter and check for shorts and grounds. There should be no reading (continuity) between 'T' and 'C' or between any wires and the conduit (or electrical ground).

NOTE: These apartment stations require a model AF-1000 amplifier or equivalent for operation. See the installation instructions supplied with the AF-1000 amplifier for more complete wiring information.

Use the special adaptor plate provided to retrofit this station to a two (2) gang back box. First, remove the old apartment station from the wall and save the four (4) mounting screws. Next, if necessary, use the special adaptor plate as a template and mark off the center top and bottom mounting holes on the template onto the plaster ring. Center punch and drill holes using a 3/16" diameter drill bit.

Mount the adapter ring to the two (2) gang back box, using the four (4) screws from the old station. Mount the 3403 apartment station to the adapter ring using the hardware provided.



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### **INSTALLATION INSTRUCTIONS for MODEL 3403 3-WIRE APT. STATION**

for replacing older 3-wire Auth or Florence apartment intercom stations