

INSTALLATION INSTRUCTIONS

Apartment Station #3406

This station is designed to be mounted to either a single gang back box or Alpha Communications® model BB-30 (Flush Mount) or BB-51 (Surface Mount) back boxes. A special adapter plate is supplied with each unit for retrofitting to a two 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 Colors and connections for New Installations

3406 Terminals	6 Wire System	5 Wire Retrofit
"SIG"	Blue	Blue
"T"	Orange	Orange
"PT"	White	White
"D"	Black	Black
"-"	Red	Jumper "-" to "C" on 3406
"C"	Green	Green

Colors and connections for Retrofit Installations

3406 Terminals	P11A	P15A, P17V, P17S	2311, 3311
"SIG"	S	Black	Blue
"T"	2	Brown	Orange
"PT"	3	Yellow	White
"D"	1	White	Black
"-"	*	*	Red
"C"	C	Red	Green

* denotes: Jumper "-" to "C" on 3406

"T", "PT", "D", "-" and "C" are wires common to all apartments. The "SIG" wire is a dedicated wire running from the vestibule push button panel and corresponds to an individual apartment station. It is a separate wire for each apartment. It is recommended to run 1 or 2 extra wires in your cable. Extra 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 systems.

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.**

Before connecting the common wires to the amplifier, use a continuity (ohm) meter and check for shorts. There should be no reading between any two wires or between any wire and conduit.

NOTE: Apartment stations require Alpha Communications® model AF-1000 Universal Amplifier or Model FMC-30L Amplifier or equivalent for operation. See installation instructions supplied with amplifier for wiring information.

Use the special adapter plate provided to retrofit this station to a two gang back box. First, remove the old apartment station from the wall and save the four mounting screws. Next, if necessary, use the special adapter 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 two holes using a 3/16" diameter drill. Mount the adapter ring to the two-gang back box, using the four screws from the old station. Mount the 3406 Apartment Station to the adapter ring using the hardware provided.



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Typical wiring diagram for the
model 3406 apt. intercom station
when used to replace older (other)
model apt. intercom stations

