

12VDC (supplied) or 16VAC Power

Supply

APPLICATION

The DUO-COM[™] SM222K intercom kit is a multipurpose, two station intercom (expandable to 2 indoor masters) suitable for homes, offices, or wherever communication to a single location and convenient electrical door opening is desired. The solid-state design, combined with low voltage operation, permits easy and simple installation. NOTE: There is no internal communication between then two indoor Master Stations.

PROCEDURE

- 1. Read installation instructions before proceeding.
- 2. Install housings and wiring.
- 3. Connect wiring and install equipment.
- 4. Apply power and check operation.

NOTE: The audio, door opener and power

supply cables must be in separate jackets

and not in the same cable jacket.

Power Supply

HOUSING INSTALLATION AND EQUIPMENT LOCATION

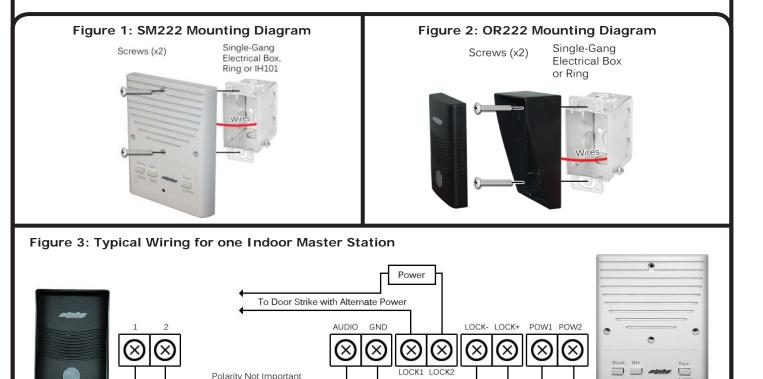
Inside Master (SM222) Station

Locate master station where needed and at a convenient speaking height. Do not locate the master near any source of direct heat, or too close to transformers, light dimmers, or other electrical devices or wiring. Do not install close to or on a common wall with remote station. Install directly to mounting surface or to a single gang electrical box or ring. as shown in *Figure 1*.

Outside Remote (OR222) Station

For outside remote stations (OR222), install directly to mounting surface or to a single gang electrical box or ring as shown in *Figure 2*. Run wires to the remote station as shown in *Figure 3 (or Figure 4 if you are using 2 indoor master stations)*.

IMPORTANT! Connecting any of the enclosed equipment to any power source other than the provided power supply or a power supply that meets outlined specifications, voids all warranties.

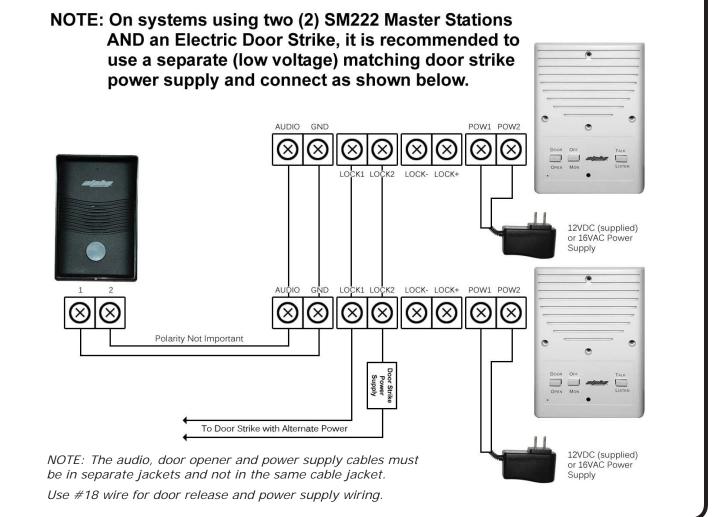


To Door Strike Powered by Master

and power supply wiring.

Use #18 wire for door release

Figure 4: Typical Wiring for two Indoor Master Stations



WIRING INSTRUCTIONS

Run two-conductor twisted #22 (max 350' or 105m) or #20 (max 500' or 150m) cable between the remote station and the master station locations. If the cable runs near any AC wires, please make sure this wire run uses shielded cabling.

Run two-conductor #18 cable between the master station and the power supply locations.

Run two-conductor #18 cable between the master station and the door strike locations. Make sure to leave sufficient cable at each end to make connections (approximately 10" or 25cm).

Note: If door release functionality from the master station is not required for your application, the 'DOOR' button may be utilized for other signaling purposes. Run the door release cable to the optional signaling device (bell, buzzer, etc.) which must be able to operate on 12VDC (or 16VAC if the master is powered by 16VAC).

OPERATION AND CHECK-OUT INSTRUCTIONS

At Outdoor Remote Station

Push button to call master, release to listen.

At Indoor Master Station(s)

- Push 'TALK' button to speak, release to listen.
- Push 'DOOR' button to release door.
- Push 'OFF' button to silence speaker. Station will remain in monitor mode if 'OFF' button is not pressed.
- Press 'TALK' button to re-activate speaker
- Adjust volume with small screwdriver as needed through small opening in front of master station.
 NOTE: Distortion, howling or feedback may result if volume is too high.

Auto-Listen Mode

 By default, the Indoor Master Stations are set to be in Auto-Listen Mode. In order to turn off Auto Listen Mode gently remove the small plastic jumper on the rear of the unit marked J7. This will cause the station(s) to go into listen mode when a call is placed only after first having pressed the 'TALK' button.