



## SM222K Duo-Com™ Intercom Kit



### Architects' And Engineers' Specifications

The intercom system (kit) shall be Alpha Communications® Duo-Com™ model **SM222K** or approved equal.

Master station shall be surface mount model **SM222** and shall include a built-in voice amplifier, electronic chime signal and momentary electric door release push-button. Master shall be powered by provided model **SS12K** plug-in power supply (or optional 16VAC power supply). Outdoor remote station, supplied in the kit, shall be the model **OR222**.

Both the **SM222** Master Station and the **OR222** Remote Stations shall be surface mount type and can be mounted directly onto the finished wall surface, or over a single gang electrical box or ring. The **OR222** shall have a large CALL button and a built-in rainhood.

Contractor shall furnish and install a (compatible) electric door release, and related door release power supply, if required.

Contractor shall observe all local and national electrical and building codes.

### OPTIONAL COMPONENTS

<b>PK407A</b>	Specialty door release relay for connections to magnetic door locks, or reverse-action door openers.
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### SM222K Duo-Com™ Intercom Kit

The Alpha Communications® **SM222K** (Duo-Com™) intercom kit is our most economical master/remote intercom for door entry or any other application requiring a single master and a single remote intercom station, with expand-ability for a 2nd master station.

The **SM222** master station has a built-in amplifier and electronic chime. It easily mounts right on the surface of the wall and can directly replace an existing door chime or door bell, on the existing 2- wires! A built-in momentary door release button allows hookup to your own low voltage door opener (depending upon transformer used). The compact **OR222** outdoor remote station is fully enclosed with a built-in rainhood. It surface mounts directly on the wall, and requires only 2 wires.

The optional **PK407A** door opener relay allows connection to mag locks or other types of door openers.

The **SM222** master stations can be desk mounted using the optional model **IH400A** desk cabinet.

### Features

- Requires only 2-Wires for Intercom and Electronic Chime from Remote
- Clear 2-way Audio Communication
- Expandable up to 2 Indoor Master Stations
- Surface Mount (No backbox required) and single gang electrical Box Mountable
- Pleasant Electronic Chime
- Optional Door Release
- Optional "Auto-Listen" when Called
- Replaces previous SM201B Series (can use the same wiring and housings)
- Built-in Electronic Chime Signal
- Built-in Momentary Electric Door Release Push-button
- Modern Styling
- Comes with 12VDC plug-in power supply (model **SS12K**)
- Master station can be desk mounted (using optional **IH400A** desk cabinet)

### Specifications

<b>SM222 Master:</b>	5.00"W X 6.80"H X 1.25"D (127mm W x 173mm H x 32mm D) from mounting Surface
<b>OR222 Remote:</b>	3.50"W X 5.00"H X 1.675"D (89mm W x 127mm H x 43mm D) from mounting Surface at it's deepest point

### WIRING REQUIREMENTS

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).**