



# Product Specification Sheet



APS365

Rev. 1 - 07/1998



**#96020 48-Station Master (shown)**

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The Master Control Station(s) shall be Alpha Communications® model #96010 (24 station), 96020 (48 station) or approved equivalent.

Master station(s) shall be rack mount type and shall feature direct-select access to remote stations (or other masters), flashing L.E.D. and tone call-in annunciation, easily programmed all-call or group-call functions, priority group call with answer back, optional privacy handset (model #96490 with A54068 cradle), audio monitoring capabilities, line supervision with fault indicators, 7-programmable feature buttons and 7-programmable master buttons.

The contractor shall furnish and install the required heavy-duty remote stations and associated flush or surface back boxes.

Contractor shall provide the required model# 1111 power supply and necessary terminal splicing units and connecting cables.

Contractor shall observe all local and national electrical codes.

## #96010 / 96020 Rack Mount Master Control Station

The #96010 and 96020 are Rack mounted master control stations designed to announce calls from and direct calls to, up to 48 (or more) substations and / or paging zones. Rack masters include 15' ribbon cable to remote electronic rack mount cabinet. The #9600 series of masters are ideal for prison and security use and can be expanded in groups of 24 buttons up to 96 buttons. The button modules have a green LED for standard call-in and a red LED for alarms. Masters can operate alone, in parallel or a combination, for flexible sub-to-master applications. Allows direct access calling, press-to-talk two-way intercom, individual and group monitoring, flexible group paging, and programmable group call with answer back. Separate amplifiers provide clear voice reproduction with provision for adding audio power when necessary. A data I/O port can provide an interface to or from other security, such as C.C.T.V. switchers and access locking control systems, or output to a P.C. or printer. Each master can have provision to call other masters as well as access overhead paging. External wires to substations are electronically supervised and fault condition can be displayed on command. Masters have provision for options such as: a handset, remote control boards, sound detection alarm modules, multiple master operation, and data interfaces.

### FEATURES

- Crisp, clear audio voice communication
- Components constructed for heavy-duty use
- Compact design for Rack mounting
- Ideal for Jail and high-security applications
- Direct select access to 24 or 48 substations (expandable to 96)
- Call annunciation with flashing LED and tone
- Easily programmed all-call and group-call
- Audio monitoring of pre-selected areas
- Priority group call with answer back
- Line supervision with fault indicators

### SPECIFICATIONS

<b>Housing:</b>	.125" thick aluminum, black finish
<b>Dimensions:</b>	#96120 / #96121: 5.25" H x 19" W x 13"D
<b>Button Module:</b>	24 electronic buttons with red and green LED indicators
<b>Feature Buttons:</b>	Seven 1/2" programmable buttons
<b>Master Buttons:</b>	Seven 1/2" master-to-master buttons
<b>Controls:</b>	Seven feature buttons, seven master buttons, volume and PTT
<b>Speaker:</b>	2" x 3", 45 ohm, 1 watt. 200-5000 Hz, 86dB spl, ± 3 dB
<b>Microphone:</b>	Electret condenser, -65 dB at 1 KHz sensitivity
<b>Handset Jack:</b>	RJ11 Modular receptacle with on/off switch (#96490 Handset optional)
<b>Amplifier:</b>	5 watt master amplifier. 24 watt substation amplifier
<b>Frequency Resp.:</b>	200-5000Hz peaked for maximum voice articulation
<b>Data Port:</b>	One RS422 I/O serial port at 9600 baud
<b>Power:</b>	Requires 24V 60Hz, 2.5 amp max. per 48 button master (use model #1111 power supply)
<b>Connectors:</b>	Three 50-pin F amp connectors. One for each 24 button module and one for master interface module. Screw terminals for power, external master speaker and external call-in tone. Masters include 15' ribbon cable to electronic rack housing
<b>Weight:</b>	9 lbs. per 48 button master
<b>Call-in Signal:</b>	Piezo electric high frequency buzzer

*Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.*