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## TOA INSTITUTIONAL COMMUNICATION SYSTEM

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# CONTROL STATION

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## AS-100A

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### DESCRIPTION

The AS-100A control station with handset is constructed of high impact ABS, and controls all communication to remote sub-station handsets and/or speakers. The AS-100A also controls paging and time functions for the entire system, which are all indicated with the integrated LCD display. The AS-100A measures 8.5" (216mm)(W) x 2.8" (69.5mm)(H) x 8.2"(208mm)(D) and weighs 2.2lbs. (960g).

### FEATURES

1. Full-duplex communication with remote sub-station handsets and other AS-100A units.
2. Half-duplex communication with remote sub-station speakers.
3. Full outside (C/O) telephone line functions.
4. 12-digit LCD shows dialing data, displays priorities, current time, and messages from personal computer.
5. High/Low selectable speaker volume control.
6. Direct connection of external microphone or headset.
7. Membrane keypad.
8. Controls all paging functions.
9. Controls all time signal functions.
10. Jack for 4-pin STD Modular telephone plug connection.
11. Provides 3-party conferencing.
12. Programming from keypad.
13. Desk or wall mountable.
14. Uses 22-24 AWG, two (2) pair twisted wire.
15. Initiates Duress Alarm.

## SPECIFICATIONS

Handset Transmitter & Receiver	Dynamic type, 130 ohms each
Internal Speaker	Dynamic type, 8 ohms, 2.25"(57mm) dia. 0.6W
Internal Microphone	Electret condenser type
Keypad	Membrane key switch
Speaker Volume Control	H/L selectable
External Input	External mic. or headset connectable
Display	LCD, 12-digit
Wiring	Twisted 2 pairs, nonpolar (Desk mounting to 4-pin STD Modular telephone connector)
Power Requirements	24 VDC, 30mA
Operating Temperature	32° to 104°F (0° to 40°C)
Case Material & Color	ABS resins, pale white
Dimensions (W x H x D)	8.5" x 2.8" x 8.2" (216 x 69.5 x 208mm)
Weight	2.2lbs. (960g)
Accessory included	Wall mounting bracket

\*Specifications are subject to change without notice.

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The Master Control Station shall be a TOA AS-100A and shall be capable of full-duplex communication with other AS-100A and RS-110 (handset room station) units, via the AS-100A dynamic handset. The AS-100A shall be capable of "hands-free" communication with other AS-100A via an on-board dynamic electret condenser mic and have the ability to attach an external mic or headset via a 1/4" jack. The AS-100A shall be configured with a 12-digit LCD display, a modular (TELCO type) jack for standard four (4) conductors, 22-24 AWG wire, and an 8-ohm, dynamic speaker with volume switch.

The AS-100A shall be capable of DTMF dialing for C/O line telephone calls. All programming, paging, calling and program distribution functions shall be user operated from the AS-100A membrane keypad. The AS-100A shall be made of high impact ABS resins and shall be desk or wall mountable.

## APPEARANCE AND DIMENSIONAL DIAGRAM

