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## TOA INSTITUTIONAL COMMUNICATION SYSTEM

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# CONTROL STATION

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## AS-110

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### DESCRIPTION

The TOA AS-110 control station with handset is intended to be used in conjunction with the IC-100 system. It is a ruggedly constructed surface or flush-wall-mount unit that can also be mounted in a console by using the supplied brackets. The AS-110 handles all communication to remote substation handsets and/or speakers, and also controls the IC-100 system's paging, program and time functions. All operations are indicated on the unit's integrated LCD (liquid crystal display). The AS-110 measures 9.45" (240mm)(H) x 10.47" (266mm)(W) x 3.31" (84mm)(D), and weighs 573lbs. (2.6kg).

### FEATURES

1. Full-duplex communication with remote substation handsets, other AS-100(A)s and AS-110s, and PBX systems.
2. Half-duplex communications with remote substation speakers.
3. Full outside (C/O) telephone line or PBX functions.
4. 12-digit LCD shows dialing data, displays priorities, current time, and messages from linked personal computer.
5. Selectable High/Low speaker volume control.
6. Direct connection of external microphone or headset
7. Membrane key switch keypad.
8. Controls all system paging and time signal functions.
9. Jack included for 4-pin STD Modular telephone plug connection.
10. Provides for 3-party conferences.
11. Programming from keypad possible.
12. Wall-mountable, with bracket for console mounting.
13. Uses 22-24 AWG two (2) pair nonpolar twisted wire.
14. Can initiate Duress Alarm.

## SPECIFICATIONS

Power Requirements	24V DC, 30mA (powered from exchange)
Handset Transmitter & Receiver	Dynamic type, 130Ω each
Internal Speaker	Dynamic type, 8Ω ø2.25" (ø57mm), 0.6W
Internal Microphone	Electret condenser type
Key Pad	Membrane key switch
External Input	External microphone or headset
Display	LCD, 12-digit
Wiring	Twisted 2 pairs, nonpolar
Ambient Temperature	32° to 104°F (0° to 40°C)
Finish	White painted
Dimensions (W x H x D)	9.5" x 10.5" x 3.3" (240 x 266 x 84mm)
Weight	5.73lbs. (2.6kg)
Accessory	Mounting bracket kit

\*Specifications are subject to change without notice.

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The Master Control Station shall be a TOA AS-110 and shall be capable of full-duplex communication with other AS-110/AS-100A and RS-120 (handset room station) units, via the AS-110's dynamic type handset transmitter and receiver. The AS-110 shall be capable of hands-free communication with other AS-110/AS-100A units via an on-board dynamic electret microphone, or via a 1/4" jack for attaching an external mic or headset. The AS-110 shall be outfitted with a 12-digit liquid crystal display (LCD), a modular (TELCO type) jack for standard four (4) conductors, 22-24 AWG wire, and an 8-ohm dynamic speaker with a volume switch. The AS-110 shall be capable of DTMF dialing for C/O line telephone or PBX calls. All programming, paging, calling and program distribution functions shall be user-operable from the AS-110's membrane keypad. The AS-110 shall be made of splatter-painted steel and high-impact ABS plastic, and shall be wall-mountable, with console mounting possible by using the supplied brackets.

## APPEARANCE AND DIMENSIONAL DIAGRAM

