

# Flush-mounted Master Station **AA903**

## Data Sheet

### General Description

- \* Loudspeaking handsfree operation
- \* Brushed aluminium frontplate
- \* Voice-controlled "Duplex" communication
- \* Fully keyboard with access to all system features
- \* Ultra-sensitive electret microphone
- \* Easy installation, screw terminal connections
- \* Easy connection of external loudspeaker
- \* Operating with Ring-Master Systems RM5000, and CB901

The AA903 Master Station is designed for normal use as a flush-mounted unit with a metal back-box (BF930). However, the faceplate will also fit into a black plastic housing (BF936) for surface mounting.

The unit features a brushed aluminium front-plate with speaker and microphone for normal handsfree speech with a range of approx. 3-5 meters or 10-15 feet.

The station's keyboard section contains a warning lamp (LED) and 12 buttons plus a privacy switch, which also functions as a microphone cut-out switch when pressed during a conversation. The X-button is used to cancel a call.

The station permits the connection of a parallel speaker where additional output is required (loudspeaker impedance min. 16 ohm).

The AA903 is designed for use exclusively in systems with centrals RM5000 and CB901-1/-2/-3/-M.

#### Features.

The AA903 station operates with the Ring-Master Systems RM5000 and CB901 and utilizes the following features (\* = only CB901 system):

#### Standard features:

- Handsfree/loudspeaking
- T-button for simplex control
- Privacy
- Microphone cut-off
- Camp on busy extension
- Conference
- Hurry-up tone
- Call-back
- Remote control circuits
- Data transmission

#### Individual features:

- Call numbers, free programmable
- All/Group-call with reply back
- Priority
- Call forward/Secretary transfer
- Call transfer
- Hunt



### Technical data Master Station AA903:

**Operating voltage:** 24V DC +/- 15%

#### Current drain:

Station, stand by: 0.02 A

Station, normal speech level: 0.1 A

Station, max. speech level: 0.2 A

Station, w/16 ohm external speaker max. speech level: 0.4A

#### Max. power consumption:

Station alone, approx. 5 W

Station w/16 ohm ext. loudspeaker: 10 W

#### Amplifier output power:

Normal speech level: 0.2 W

Max. speech level: 1 W

The station amplifier can supply additional 2 W to an external loudspeaker

#### External loudspeaker impedance:

Recommended 16 to 50 ohm.

**Volume control range:** 27dB

**Temperature range:** 0 - 40°C (32-104°F)

#### Cable requirements:

1 twisted pair for audio and signalling

1 pair for power supply

#### Line specifications:

Frequency range: 300 - 5000 Hz

Galvanic line: 0 dBm (1mW/600ohm)

Normal speech level: -12 dBm

Max. speech level: + 4 dBm

Tone signalling level: - 10 dBm

Tone signalling according to CCITT norms.

#### Dimensions AB912:

Height: 270 mm (10.6")

Width: 115 mm (3.9")

Depth: 40 mm (1.6")

#### Dimensions Backbox BF930:

Height: 240 mm (9.4")

Width, w/6 mm lips: 80 mm (3.2")

Width, base: 72 mm (2.8")

Width, base w/12 mm fix. lugs: 96 mm (3.8")

Depth: 40 mm (1.6")

NOTE: The Backbox BF930 must be ordered separately.

- Speed dialling (\*)
- Call reply (\*)
- Sectoring (\*)
- Direct conference dialling (\*)
- Direct dialling
- Direct access
- Central Answering Service (CAS)
- Remote dialling (\*)
- Status output (\*)
- Open station (line) (\*)

### Interface features:

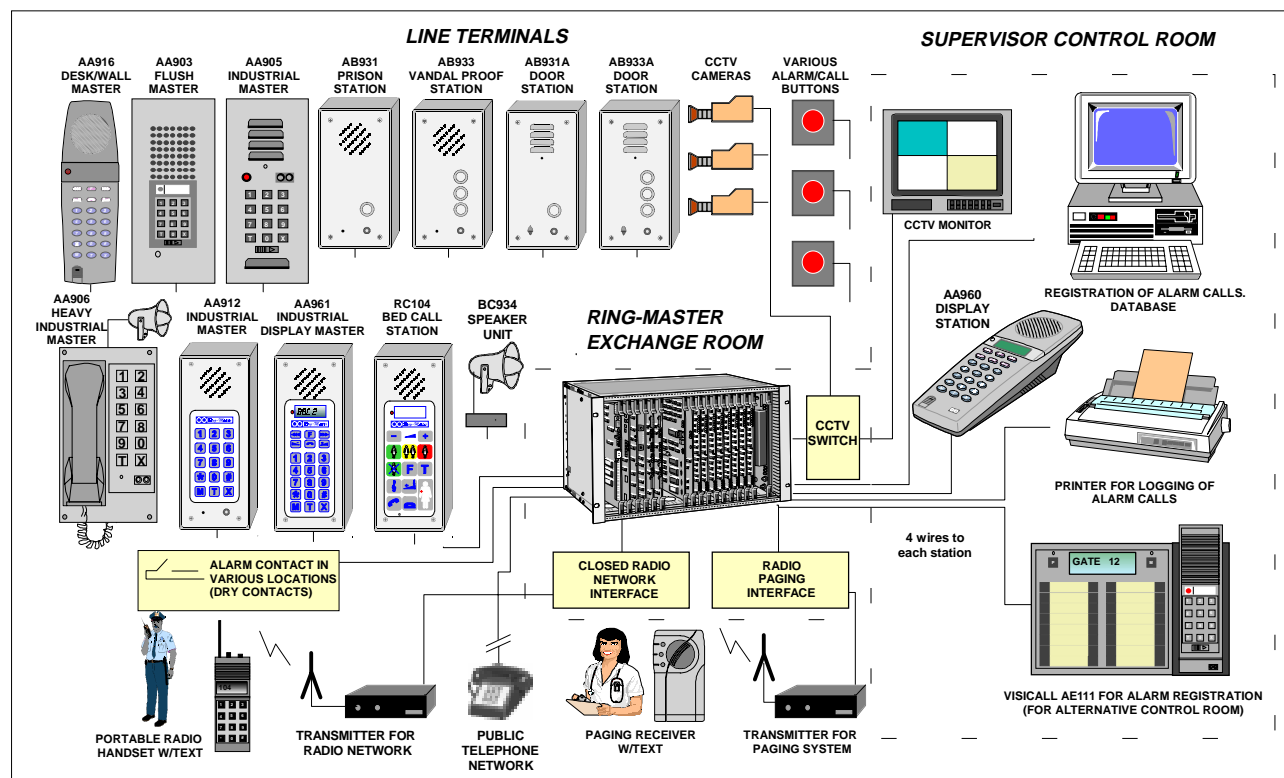
- Two-way mobile radio
- Radio paging
- Intersystem tie-line
- Public address
- Telephone public network
- Voice messaging
- Programme distribution (Music)

### CE Certification:

AA903 are tested and comply with the EMC (Electromagnetic Compatibility) directive 89/336-EEC of the European Community and meet or exceed the following standards:

EN 50081-1 Emission

EN 50082-1 Immunity



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