AIPHONE ®

Communication Systems

AI-900 SECURITY INTERCOM SYSTEM

SYSTEM FEATURES:

- **DESIGN FLEXIBILITY** — The AI-900 system is flexible in design, allowing the system to be configured specifically to meet the needs of the application. Modular design of cards and mainframe allow a wide range of system sizes, making the AI-900 suitable for small and large projects.

    1 Mainframe = 4 Masters and up to 64 Sub stations
    Up to 16 Mainframes per system = 64 Master stations and 1024 subs

- **FULL COMMUNICATION** — Sub-to-Master or Master-to-Master communications. Programmable calling assignments for greatest flexibility, assigning subs to call designated master stations or all of them simultaneously (group call).

- **TELEPHONE INTERFACE** — Each exchange supports connection of 2 C/O telephone lines or trunks.

- **PROGRAMMABLE SYSTEM FUNCTIONS** — Program system calling functions and features via computer, connected directly to mainframe or remotely via modem.

- **CALL FORWARDING** — Calls can be forwarded to another master, outside phones, cell phones, or pagers. Call Forwarding can be time-based (i.e. during evening hours) if a call isn't answered, or if a master station is busy.

- **SCAN MONITORING** — Automatically monitors sub stations one at a time for a preset duration for real-time audio monitoring. When synchronized with CCTV cameras, provides audio/video monitoring of a facility.

- **AUDIO RECORDING OUTPUT** — Individual audio outputs for recording are available for each master station or telephone used as a master station. Connected from Mainframe to recording device.

- **DATA OUTPUT FOR EVENT LOGGING** — Data Output allows event logging for tracking of all functions on the system, with data stored on PC. Time and date stamp for each activity is logged. Connect to PC via RS232 port in Mainframe.

- **GRAPHIC MASTER INTEGRATION** — Custom Direct Select or Graphic Display panel can be used in place of or in conjunction with digital master station.

- **SECURITY SYSTEM INTEGRATION** — Relay option board provides 32 *programmable* relay outputs to be used for selective door release, camera follow or call-up, or other security functions. Contacts can be programmed to activate when associated sub calls in or when answered by the master. Up to 32 relay boards can be used for a total of 1024 relay contacts.

- **EXTENDED DISTANCE CAPABILITIES** — Master stations can be up to 7246' away from Mainframe on 2-twisted pair 20AWG wire. Exchanges can be connected via fiber optic interface. Subs can be up to 4265' away with 2 conductor shielded 20AWG wire.

OVERVIEW:

The Aiphone AI-900 is a versatile intercom system, providing a communication network between multiple remote locations and security control offices. Ideal for emergency calling or access control, this system allows full flexibility in system functionality. Simple wiring to sub and master stations makes installation easy. Programming from a computer allows the system to be configured to the specifications of the end user, providing features such as call forwarding, emergency paging, access control and CCTV integration, audio recording and data logging. Telephone integration is also easy, with the ability to connect two outside lines, as well as the ability to use a standard telephone as a master station.

APPLICATIONS:

- Access Control for a wide range of Commercial and Institutional Facilities
- Corporate Headquarters
- Office Buildings
- Parking Garages
- Correctional Institutions
- Schools & Campuses
- Police Departments
- Government Facilities
- Military Installations
- Hospital Entry points

AI-900 FUNCTIONS & COMPONENTS

SYSTEM FUNCTIONS:
- **Sub-to-Master Communication**
  - Subs call designated master(s) with station name displayed. Standard or emergency call status
  - Master(s) can selectively call or group call
- **Telephone**
  - Direct Dialing from outside line to master station
  - Call to Outside Line from master
  - Manual Forwarding
  - Off-site Forwarding
- **Call Forwarding**
  - Manual (set at master or at receiving station)
  - Time-Based (i.e. evening hours)
  - No Answer (programmable to forward after designated number of rings)
  - Busy
  - To Off-Site Phone or Pager
- **Paging**
  - 16 Paging Zones
  - Group-Zone and All-Zone Paging
  - Emergency All-Call & Paging
  - External source trigger input for zone distribution (4)
- **Scan Monitor**
  - Scan programmed group of stations
  - Up to 16 subs scanned at a time
- **Security System Integration**
  - Selectively release doors associated with sub stations
  - CCTV camera call-up when sub calls or is answered
  - Optional graphic display panel can be used in place of digital master

HEAD-END SYSTEM COMPONENTS:
- **AI-900 MF Mainframe**
  - Exchange Unit for System
  - Houses all system cards for up to 4 masters and 64 subs
- **AI-900MS Master Interface Card**
  - Controls up to two master stations
  - Record output for each master
- **AI-900RS Sub Station Interface Card**
  - Connects up to 16 stations per card
  - Two talkpaths per card
  - 2 conductor shielded homerun from each sub
- **AI-900AL Telephone Interface Card**
  - Allows single-line telephone with caller ID to be used as a master
  - Record output for each telephone
- **AI-900CO Outside Line Interface Card**
  - Connects up to two outside phone lines
  - Record output for each phone line
- **AI-900AF Audio Funtion Card**
  - Enables zone paging through an external amplifier (up to 16 zones)
  - Distribution of external audio source
- **AI-900TI Tie-Line Interface Card**
  - Interconnects multiple Exchange Units
  - Up to 16 Exchanges per system

INTERCOM COMPONENTS:
- **AI-MS900 Master Station**
  - Digital Master with LCD Display
- **AI-RS-150 ~ 180 Sub Stations**
  - Flush Mount Stainless Steel, 2-gang
  - Indoor models: Economy or Vandal resistant
  - Outdoor models: Vandal resistant or Emergency Call with Control Output

AI-900 System Pricing (Suggested List Price)

2/16	2/32	3/48	4/64	4/80	4/96	4/112	4/128	4/144	4/160	4/176	4/192
$ 15,949.98	$ 19,690.01	$ 29,220.90	$ 35,633.32	$ 47,723.59	$ 51,463.61	$ 57,349.42	$ 61,089.44	$ 71,950.82	$ 75,690.85	$ 81,576.65	$ 85,316.68

Notes: (1) # / # represents the number of master stations/number of sub stations.
(2) Pricing reflects basic communication functions only. Remote control, paging, C/O lines, and other optional features are not included.

Schedule/Target Availability:
Sales Brochure............................. December, 2002
Product Demonstration Kits....... December, 2002
Product/Inventory........................ 1st Quarter, 2003
Technical Literature.................... 1st Quarter, 2003