



**PHONOMAX**

A close-up photograph of a hand's index finger pressing a button on a blue intercom keypad. The keypad has several buttons with white text and symbols, including an asterisk, 'OPER', 'IN-USE', '#', '9', '6', and '4'. The background is a blurred blue gradient.

# Intercom System

[www.phonomax.com](http://www.phonomax.com)

In the developed modern urbanised world, cities are becoming more cosmopolitan. Society is becoming nuclear and families are shrinking. This development also brings menace from security perspective and can be seen from increase in rate of house burglary and attacks on elderly people. More and more people are opting for security solutions on all fronts of threats. The privacy and peaceful environment is prime concern for the urban society. Phonomax Intercom System offers perfect solution for Societies by integrating Communication & Security requirements with versatile features.

Phonomax Intercom System is designed using Surface Mount Technology components eliminating bulky old component blocks and transformers resulting to a more reliable & compact product. More stress is given on protection for each card as well on extension circuits, which enhances life of the product drastically. The Line cards are equipped with Subscriber Line Interface Circuit (SLIC) based, which gives better sound clarity without any crosstalk and gives better life to Telephone Instruments attached to it as the SLIC's complies norms for telephone interface. The SLIC are more stable and well protected.



## Communication Features

Apart from standard telephonic communication features several other programmable features are provided to fulfill the requirements of today. The extensions can be grouped for Security, Committee members & flat owner extensions to access different facilities of the system.

The flexible numbering gives flexibility to configure the extension numbers from 1 to 6 digit to accommodate requirement of housing complexes of several building having more than one wing, where 1st floor flat can have 3 digit number & 10th floor flat can have 4 digit number. The system is equipped with Caller ID for all extensions for identification of telephone number of incoming call. Conference of eight extensions can be done with simplicity and good audio quality for communication. Do not disturb, call privacy and Allowed / Denied list can be set by all individual extensions to avoid nuisance and malicious unwanted calls.



## Security & Voice Features

Intercom System is equipped with diverse security features for complete security of residents. Panic Hooter can be attached to security display and on pressing programmable soft code; security can be alerted and it can be accompanied with alert call with message announcing flat number to preprogrammed extensions. Eight simultaneous panic situations can be queued up. Visitor visiting desired flat can be confirmed with ease, leading to avoidance of eavesdropping of visitor to other premises.

Society Message Broadcasting or announcing is part of the system to convey important society affairs to all society members. All extensions last ten Received, Dialed, and Missed call log without repetition is maintained by the system and can be retrieved as and when desired by the user with voice prompts. Call Log is useful to get information of malicious calls or misuse of Intercom System. Vendor Call messages can be delivered to registered extensions and very useful to avoid annoying noise of vendors as well to curb free roaming of vendors within premises. Voice message can be delivered on reminder calls and flat lock status can be announced for locked or unused extensions to avoid ambiguity.



## Display Features

Security extensions usage can be enhanced when used with optional Security Display. Attractive aesthetic acrylic housing comprises with large Numeric Display and Buzzer, optimises use of the system for various features, and can go along with any decor of lobby of the society. Flat owners need not have to keep on dialing busy security extension, as security display will show flat extension number with alert along with Received & Dialed calls of security extension. A panic Hooter can be connected to Display and is activated on panic along with extension number on Display.

The Intercom System comes with Switch Mode Power Supply (SMPS) to work with 90V to 270V AC and with battery charger for 12V single battery back up. The Intercom System can easily be integrated with any CCTV / Door phone & Security Camera for communication and enhanced security requirement.



# System Salient Features

## Salient Features

Do not Disturb
Call Privacy
Call Forward
Call Forward on Busy
Follow Me
Call Pick-up
Hotline with Delay
Normal Alarm
Time Slot Alarm
Daily Alarm
Call Waiting Activation with Pick-up
Call Camp-on
Call Parking
Extension Busy Override
Call Interrupt
Vendor Call Request
Denied List Set(10)
Allow List Set(10)

Flash Time
Visitor Double Check
Watchmen Watchdog with Veiw
Paging Access
Smart Switch(3)
Smart Switch Auto Operation
Panic Alert with Message
Panic Hooter
Security Display (8)
Society Message Announce or Broadcast (5)
Society Message Rolling Display *(8)
Missed Call Listen(10)
Received Call Listen (10)
Dialled Call Listen(10)
Vendor Arrival Alert(10)
Extension Jack Announce
Extension Number Announce
System Cascading*

## System Hardware Configuration

### Salient Features

### Salient Features

	IX-48	IX-128	IX-208
Extension capacity maximum	48	128	208
Intercom Speech Path without Cascade	15	15	15
Paging port	1	1	1
Maximum Display without cascade	8	8	8
Length or Height in cm	19	45	22
Breadth or Width in cm	25	26	49
Depth in cm	10	15	25

## Switcher

Maximum System	8
Maximum port	48
Maximum Display	24
Speech Path	16
Serial RS-485 Wiring	Loop

## System Specifications

- Microcontroller based stored program control
- Extension loop resistance 300R excluding telephone
- Space division switching
- Insertion loss less than 1dB
- Input power 90 to 230V AC 50/60 Hz
- DTMF as per CCITT Q.23
- Cross talk better than 65 dBm
- Battery back-up 12V

Manufactured by: **Phonomax Systems**  
Mumbai, INDIA

Marketed by: