

Intercom System For Short Path Communication

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Abstract: - An intercom is a phone door is a stand-alone voice communication system for use in a one building or one or more building, also used in public telephone network. It is used for communication; it shares much of the good technology too. In telephone system, there are number of small intercom systems. There are larger and many thousands, in different buildings and also in different nations. If you are looking for a better quality video intercom system, and its product like Cables, Adapters, Headsets, Intercom, Phones, Phone systems, Power projection, Raceway, Tools, and Telecom, product then visit Certified phone solutions. Because this certified phone solutions is a very large and grossing company in the area of intercom system.

Index Terms: - Wireless Intercom, Telephone Intercom, Wiring Intercom, Door Phones.

I. INTRODUCTION

In an intercom system talkback or door phone is a standalone voice communication service for use in a building or small collection of buildings, functioning independently of the public telephone network. Intercoms system are mounted permanently in buildings and vehicles. Intercom can also incorporate connections with public address loudspeaker systems, walkie talkies, telephones and various intercom systems. Some intercom systems can handle devices such as signal lights and door latches.

There are effortless house intercoms and intercoms developed for number of collective apartments. Some are made with video, and its wiring, can be joined to the outside with some pairs (4-6 pairs) while controlling an electric strike. The last generations are consistent with computers and few models include TCP/IP.

II. LITERATURE REVIEW

a) Components

1) **Handset:** - A model handset is a portable intercom which does not have a headset mechanism connected to it. Instead it functions like a walkie-talkie. Many recent office telephone systems offering an intercom function, which are allowed for a closed-circuit intercom messaging system athwart desks. The

intercom system on a telephone does not use the outside phone system.

Door Station: - A door station intercom system are the system that is established at the door of an office or house that is competent of making contact only with the main or base station.

Master or base station:- The master or base station of an intercom system is an intercom base which has the ability to make declarations to the entire system and also has the ability to attached with any system within intercom system.

Working of intercom system:-

A door phone is fundamental version is a two path intercom allowing communication from route to the home, with the probability of driving an electric strike to open the door, allowing entry to the inside of the building. Where there is more than settling the caller street also called simply Plate Street is self-possessed of a number of buttons is with the label next to the house.

The door phone is vested at the outside of the entry of every building is composed by a matrix of buttons each of them driving a Buzzer vested in a unit inside every home and which has a button to start the electric strike. There are number of installation systems the most eternal of the four wires for power communication and door system.

(c) Block Diagram

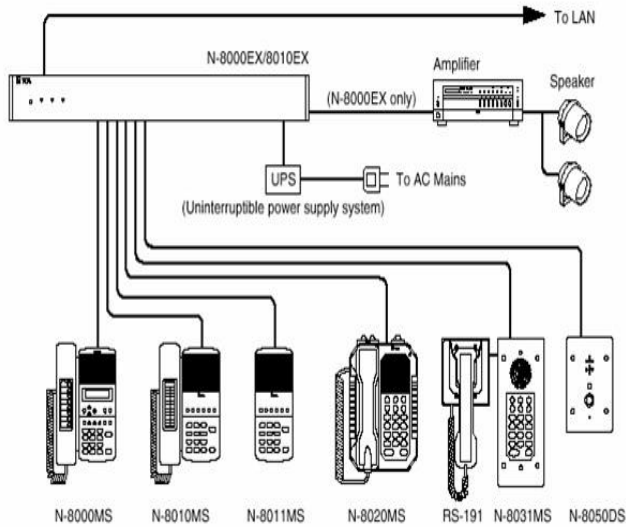


Fig 1. Intercom Connections

(D) Advantages

1. Advanced security:-Intercom system directly takes your house protection to a new scale.
2. Comfort: - The wireless intercom also prefer that comfort you will not answer every time the door.
3. Monitoring children’s activities: - Intercom system are helpful in parent keeping an attention on the youths.
4. Extra benefits: - If we use for wireless intercoms, we can save money.

(E) Application

A) Basically Suited

1. Hospitals
2. Prisons and Police Station
3. Banks and Financial Institutions
4. Defense and School.

b) The Ring Master Hands free intercom system offers features such as:

1. All call
2. Group call
3. Conference
4. Paging

c) Audio Video Features

1. Colors video monitors and cameras
2. Concierge panel for reception or security office

III. CONCLUSION

In wireless intercom system there are many audio and video intercom system which are staggering this field with video intercom. Person which talk with outside to the person in inside. Therefore corroborated the safety and decrease the pillage etc. Intercom gives simple life.

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