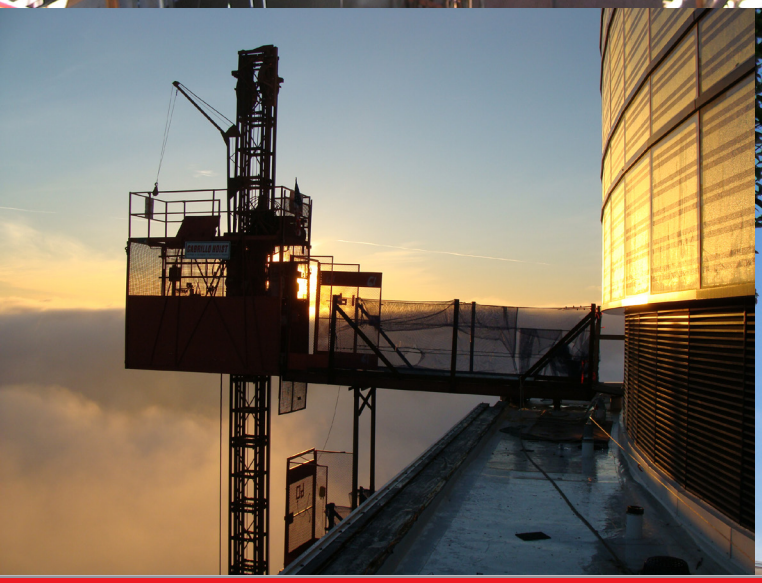
ACCESS EQUIPMENT
HOIST INTERCOM SYSTEM™ INSTRUCTIONS

Contents

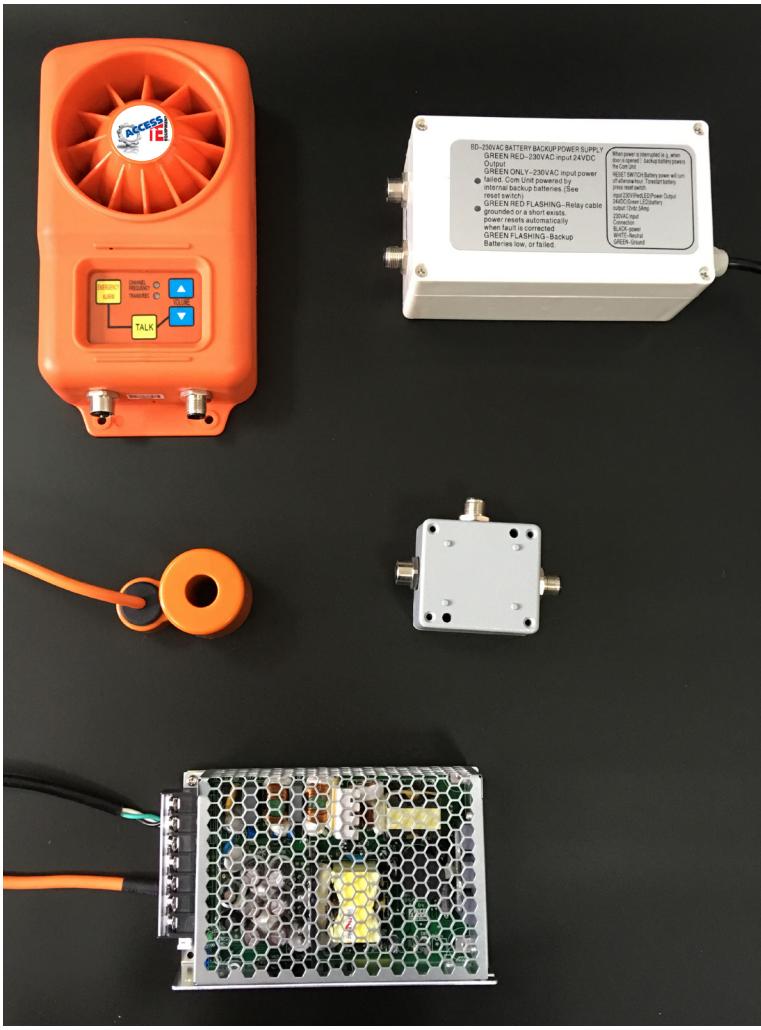


Introduction

This system is designed to be used as an intercom and to enable emergency calls between communication units on each floor of a building under construction and the construction elevator cars.

System Features

- The signal is transmitted using the power cable ground, ensuring its stability and reliability
- No special communication cable is required between the elevator and the base
- Neither the signal line nor power line are connected with high voltage for added safety
- The system can indicate a busy signal
- Volume control is easy and convenient with electronic adjustment
- An alarm button can be used in the case of emergency
- Three available frequencies help in clear communications



Specifications

Supply Voltage:	220v AC or 110v AC
Effective Range:	More than 1000 feet
Three Frequencies:	250KHz, 741KHz or 800KHz

Installation Instructions

To ensure proper use, please review these instructions carefully.

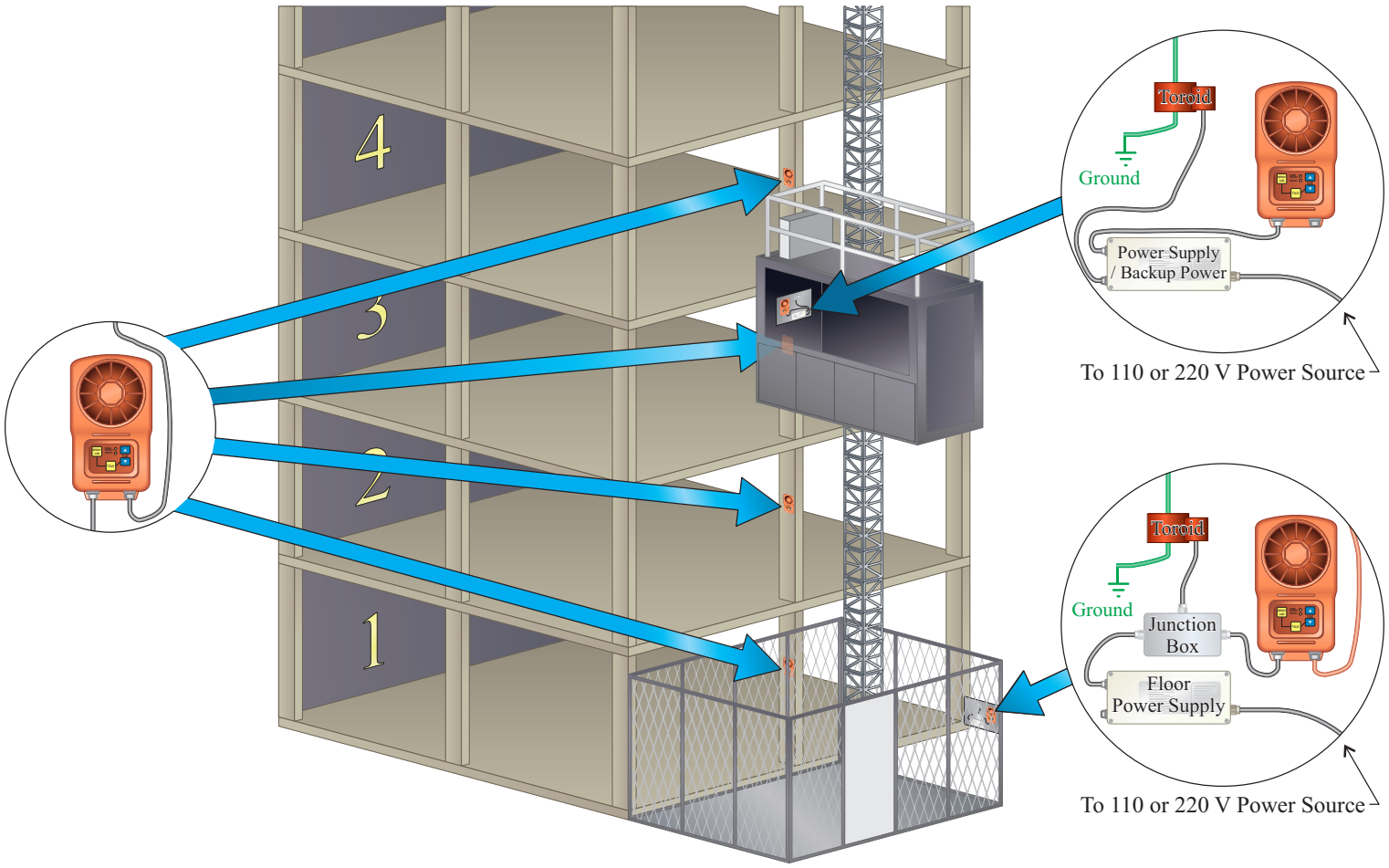
Check to make sure power is off before installing.

Instructions for Installing Floor Communication Units

Secure the intercom unit on each floor and connect them with the cables. At the first floor base, connect the relay cable to the junction box and then to the toroid, as indicated in the diagram. Pass the grounding wire through the hole in the toroid, and connect it with the ground.

Instructions for Installing Car Communication Units

Connect the intercom to the car power supply and the toroid. Pass the grounding wire through the hole of the toroid and connect it with the ground.



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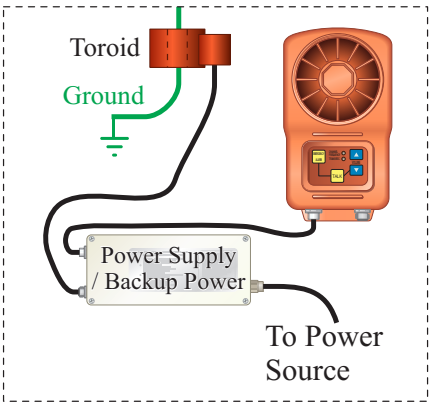
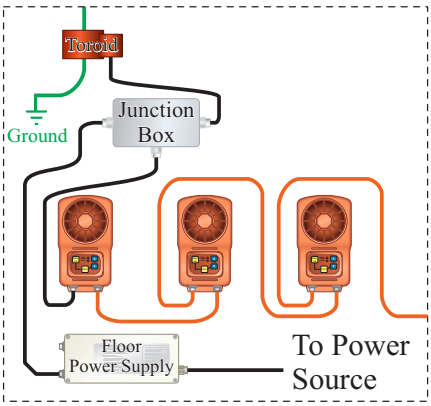
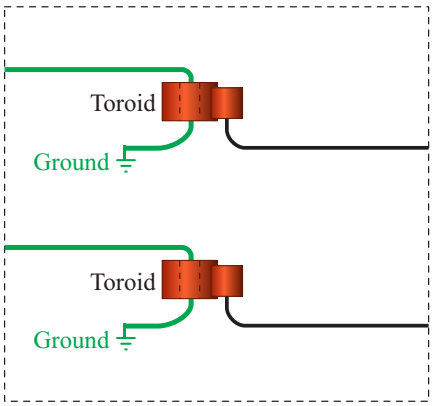


2 Connect Intercom Systems & Power on Each Floor...



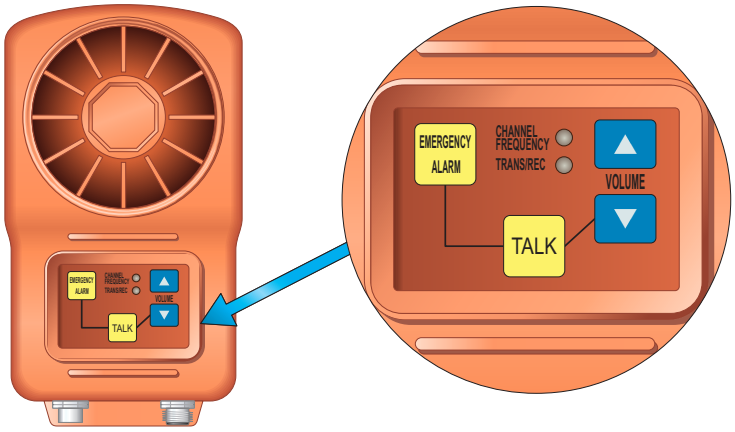
3 Link Toroid and Ground Wire Respectively...



System Instructions

Intercom Unit

Turn the power supply on. The channel frequency LED light and the transmitting/receiving LED indicator should both be red. If the system is not in use, the LED lights will turn green. When using the intercom, the channel frequency LED will turn red. Push the ▲▼ buttons to adjust the volume. To talk, press the "talk" button and speak into the microphone above the "emergency alarm" button while the channel frequency LED indicator is green.



Channels

The system has three operating frequencies.

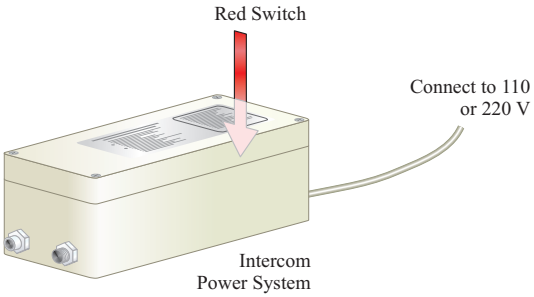
Description of three operating frequency States

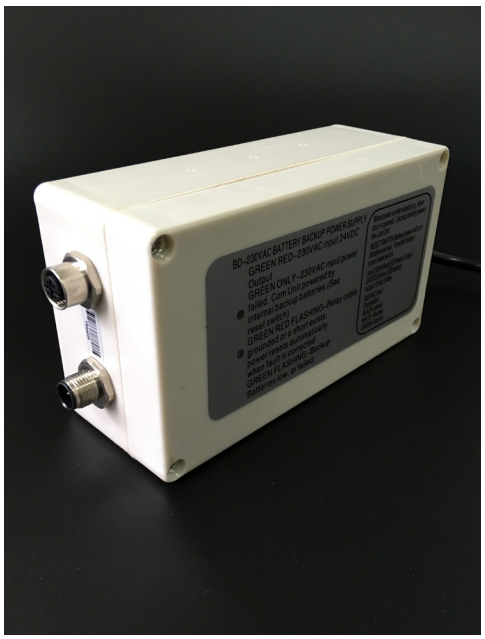
State	Description
Green LED	Channel 1, 250KHz (Factory Default)
Red LED	Channel 2, 741KHz
Green+Red LED	Channel 3, 800KHz

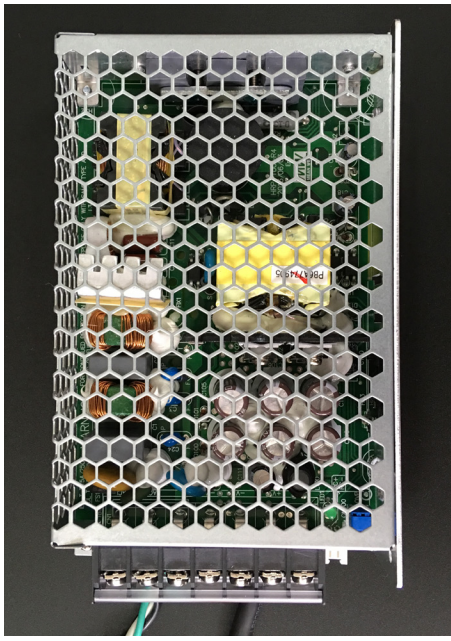
To change the channel, press and hold the ▲ button, then press and hold the "emergency alarm" button. The alarm will not sound. Do not release the "emergency alarm" button until the channel is set. To activate the channel change mode, press the ▲ button on and off four times. The channel frequency LED light color will change each time the button is pressed. Once you see the desired LED indicator color, release the "emergency alarm" button to set the channel.

IMPORTANT: Each unit must be set to the same channel frequency (LED color) to communicate.

Power Unit







BD-110VAC or BD-220VAC Battery backup power supply LED explained

State	Explanation
Green and red LED on	110 VAC or 220VAC input 12V output.
Green LED on	220VAC malfunctioning, backup power unit kicks in.
Green and red LED blinking	System overload, both green and red LED return to normal after reboot.
Greed LED blinking	Too low voltage.

Troubleshooting

Issue	Cause/Solution
Communication Failure	Check the connections between the toroid and the ground wire. Also check the connections of the ground wire with the equipment.
Poor Communication	High resistance caused by ground wiring and/or a poor connection.
Interference from Electric Motor	Cables require better shielding.

For other installation, quality, or other issues, contact our technical staff at 360-376-2679