Area of Rescue Solutions
WHO WE ARE

Talkaphone is an 80 year old manufacturer of security and life safety communications solutions for higher education, K-12, healthcare and corporate facilities, mass transit and government agencies.

INSTITUTIONS
Over 10,000 institutions in over 40 countries have chosen Talkaphone for their emergency communications needs.

PERCENT OF CUSTOMERS
Over 90% of our customers continue to expand beyond their first deployment. Talkaphone prides itself on our customer retention.
Who We Are

EXPERT MANUFACTURERS
Solution experts can design projects from conception to execution

PLATFORM OF TECHNOLOGY
From blue light towers to areas of rescue, we have you covered

AMERICAN MADE
Based in Niles, IL outside Chicago, we are proud to made in the USA
TALKAPHONE
Four Pillars of Technology

BLUE LIGHT PHONES
MASS NOTIFICATION
SIP INTERCOM/ACCESS CONTROL SOLUTIONS
AREA OF RESCUE
WHAT IS AN AREA OF RESCUE?
WHAT IS AN AREA OF RESCUE OR AREA OF REFUGE?

• An area, which has direct access to an exit, where people who are unable to evacuate may remain temporarily in safety to await further instructions or assistance during and emergency evacuation.
WHAT DOES AN AREA OF RESCUE SYSTEM DO?

- Indicates the designated area
- Provides a safe location
- Provides two-way, hands-free communication to onsite and offsite personnel
AREA OF RESCUE REQUIREMENTS - SIGNAGE

- Clear signage designating the area as an “Area of Rescue Assistance”
- Directions for the use of the communication system and calling for assistance and the location of the call station must be posted
AREA OF RESCUE REQUIREMENTS – TWO WAY COMMUNICATION

Provides communication between each required location and the fire command center or a central control point location approved by the fire department.

Control point system for fire command center

Hands-free, ADA-compliant call station for area of rescue (refuge)
WHAT DOES AN AREA OF RESCUE (REFUGE) SYSTEM DO?

Two-way communication system must be provided at along the accessible means of egress, generally stairways, OR at the landing serving each elevator or bank of elevators
AOR INSTALLATION CONSIDERATIONS
INSTALLATION CONSIDERATIONS
Area of Rescue

Implementation:

Required Audio, Visual & Communication

1) Control point must have both audible and visible signals
   • LED lights
   • Call station activates siren at command unit, when call is detected

2) If the central control point is not a constantly attended location, the call station must have a timed automatic telephone dial-out capability to a monitoring location or 911.

3) Command unit must automatically and continuously monitor for integrity (grounds, shorts and opens) and alerts by LED and sounder. Sound alert can be silenced by authorized personnel using reset key; LED remains active until integrity restored and system reset.
INSTALLATION CONSIDERATIONS
Area of Rescue

Products:

Command Units & AOR Systems Key Features:

1) Command units have built in uninterrupted power system (UPS) in case of power failure allowing for communication to continue.

2) Auto-answer allows security to initiate calls and listen to emergency phones.

3) On-site calling requires no outside phone lines. Command unit can automatically route an emergency phone call to a 911 center or other designated location if no one is available to answer the call (requires standard analog phone line(s)).

4) LEDs on command unit indicate calling station and line status.

5) Supervision automatically and continuously monitors for integrity (grounds, shorts and opens) and alerts by LED and sounder. (NFPA 2016)
INSTALLATION CONSIDERATIONS
Area of Rescue

Products:

Call Stations, Signage & Connection Options

Call Stations Key Features:
• Hands free two way communication
• Flush mount options
• Surface mount options
• ADA compliant
• Phone line powered by command unit (uses only a single twisted shielded pair)
INSTALLATION CONSIDERATIONS
Area of Rescue

Products:

Call Stations, Signage & Connection Options

Signage Key Features
• Identification signage points out where these areas are located
• Instructional signage indicated how to use these stations (included location)
• Lighted signage has the option to be on battery back up or standard 120V power
• Signs can indicate Area of Rescue or Refuge
How to Design a Talkaphone Area of Rescue System:

1. Determine the count (how many call stations will be required).
2. Determine if the call station will need to be flush or surface mounted.
3. Determine which size command unit will be required.
4. Determine if the command unit will be flush or surface mounted.
5. Determine what kind of signage will be required as part of our scope.
6. Determine the type of cabling required based on the distance between each home-run (use the wiring guide and check with AHJ about Cl or Plenum cabling).
7. Determine the project name and timeline for the deployment of the project.
INSTALLATION CONSIDERATIONS

Area of Rescue

**Command Units**

There are four surface mount command unit options:
- AOR-8: this allows up to eight stations
- AOR-16: this allows up to sixteen stations
- AOR-24: this allows up to twenty-four stations
- AOR-32: this allows up to thirty-two

**Flush mounting Sleeve Options:**
- AOR-8 and AOR-16
  Use AOR-TR16
- AOR-24 and AOR-32
  Use AOR-TR32
**INSTALLATION CONSIDERATIONS**

**Area of Rescue**

**Indoor Call Stations**

Call Stations:
- ETP-110E: Analog indoor rated call stations with EMERGENCY button with Voice Location feature
- ETP-110EX: Analog indoor rated call stations with EMERGENCY button with AUX relays Voice Location feature

Mounting Options:
- FM-110: flush mounting sleeve for ETP-110 series only
- SM-110 Surface mounting box in BLACK for ETP-110 series only
- Accessories:
- PC-110: Plastic cover over faceplate (only available with FM-110 and ETP-110E combo)
Outdoor Call Station Options

Call Stations:
• ETP-500E: Outdoor rated analog emergency phone with Voice Message feature

Mounting Options:
• MS-600: flush mounting sleeve only to be used with 500 series (DO NOT USE WITH 110 series)
• ETP-SM-1: Surface mounting box in YELLOW with EMERGENCY lettering on both side in BLACK (DO NOT USE WITH 110 series)
Medical Facilities

Best practice requires that emergency communications be available throughout open areas, and particularly in the parking areas.

What are the Risk Factors?

- People are coming and going 24 hours a day, and yet in any given area of the parking facility the person going to get their car may well be alone and cut-off from assistance.
- A significant female population coming and going at shift change, especially at night.
- Visitors parking their cars not necessarily paying the closest attention where they parked as their mind is on seeing a loved one in the hospital, and therefore may not be able to find their car when desiring to leave.
- ADA issues abound due to the nature of the facility.
- Cell phones may or may not be useful depending on the location.
- A liability and publicity averse hospital owns the facility.
Educational Facilities

College campus emergency communication was originally driven by two Federal statutes: The Americans with Disabilities Act, or ADA, and the Cleary Act, Federal Education Act.

Virtually every college campus in the U.S. has Emergency Phone Towers deployed around the campus. Also a clear movement from analog emergency phones to VOIP phones as these networks are deployed throughout campuses.
Mass Transit

NFPA 130 Code compliance
Fixed Guideway Transit and Passenger Rail Systems

3.3 General Definitions

3.3.5* Blue Light Station. A location along the trainway, indicated by a blue light, where a person can communicate with the operation control center and disconnect traction power.

6.4.2.1 Blue light Stations shall be provided at the following locations:

1. At the ends of station platforms
2. At cross-passageways
3. At emergency access points
4. At traction power substations
5. In enclosed trainways as approved
THANK YOU