

Part 1 - Emergency Voice Communication Device in Car

1. A hands-free emergency voice communication system shall be furnished in each car mounted as an integral part of the car operating panel. Necessary wires shall be included in the car traveling cable and shall consist of a minimum of one shielded pair of 20AWG conductors. 120V power with hot and neutral wires shall be brought into each car station to power the hands-free device.
2. The telephone shall be equipped with an auto-dialer and illuminating indicator which shall illuminate when a call has been placed and begin to flash when the call has been answered. Engraving shall be provided next to the indicator which says "Call Answered When Light Flashing".
3. A separate activation button shall be provided on the car operating panel to activate the emergency telephone and initiate a call. The telephone must not shut off if the activation button is pushed more than once. The telephone shall transmit a pre-recorded location message only when requested by the operator and be provided with an adjustable call time which can be extended on demand by the operator. Once two-way communication has been established, voice prompts shall be provided which instruct the operator on how to activate these functions as well as alerting the operator when a call is being attempted from another elevator in the building.
4. The hands-free telephone shall be capable of serving as the audio output for an external voice annunciation system. Conversation levels shall measure 68 dbA or higher. Each device shall be provided with a self-diagnostic capability in order to automatically alert building personnel should an operational problem be detected. Should the hands-free phone dial and receive no answer, reach an answering machine, receive a busy signal or be put on hold for over 30 seconds, it must be capable of automatically hanging up and dialing an alternate destination.
5. The phone shall be able to receive incoming calls from any On-Site Rescue Station or other off-site locations via the public telephone system and shall be capable of acknowledging incoming calls and automatically establishing hands-free two way communications. If no On-Site Rescue Station is provided, each hands-free device shall have built in line consolidation which will allow up to 6 elevators to be called individually from outside the building over a single telephone line. This capability shall be increased to 80 elevators if an On-Site Rescue Station is provided.
6. The emergency elevator communication system shall require a maximum of one telephone line. The system shall also provide its own four hour backup power supply in case of a loss of regular AC power. The system must also provide capability for building personnel to call into elevators and determine the charge state of any backup batteries provided for the emergency telephones.
7. Pushing the activation button in any of the elevator car stations will cause any on-site Rescue Station or security telephone to ring. If the on-site call is not picked up within 30 seconds, the call will be automatically forwarded to a 24 hour off-site monitoring service. The arrangements and costs of the off-site monitoring and telephone line shall be by others.
8. Pre-approved equipment includes Webb Electronics OEM-150 hands-free telephone or other pre-approved alternatives.

Part 2 - On-Site Rescue Station

- .1 For all buildings having elevator travel over 60', provide a station for rescue personnel adjacent to the Central Alarm and Control Facility (CACF). The station shall operate as follows to meet the requirements of the specifications and the governing regulations:
 - .1 A telephone handset shall be provided and integrated communication equipment installed such that calls may be placed to each individual elevator from this station only by authorized personnel. Calls placed to the elevators from the Rescue Station shall override any existing conversation taking place to authorized personnel outside of the building. An intercom system which is separate from the elevator telephone system is not permissible. Outgoing calls from the elevators must first ring at the On-Site Rescue Station.
 - .2 Status indicators shall be provided at the Rescue Station for AC power, battery power, telephone line and call waiting. An audible alert shall sound when the system is in use and a visual display shall be provided to indicate which elevator telephone is in use.
 - .3 Space shall be available in the cover of the Rescue Station so that a Phase I Emergency Recall Switch and illuminating indicator may be mounted if required.
 - .4 A terminal strip shall be provided in the Rescue Station to permit other handsets in the machine room, security desk, etc. to be easily connected in parallel.
 - .5 The Rescue Station shall be provided with a four hour backup battery power supply and be expandable to permit up to 80 emergency telephones to be connected to it.
- .2 Telephone equipment shall be installed as a complete operating system by a qualified communications contractor.
- .3 Cutting and patching at the location of the CACF will be performed by the Owner to accommodate the mounting of this new equipment at that location.
- .4 A remote, empty conduit shall be provided by others between the mounting location at the CACF and the elevator hoistway. A remote, empty conduit shall be provided by others between the mounting location at the CACF and the nearest telephone room. Others to also provide 120V circuit with earth ground to the mounting location at the CACF as per equipment supplier's recommendations.
- .5 Elevator contractor to provide all wiring required to interconnect this equipment including shielded wiring in the hoistway to the machine room as required and shielded wiring from the CACF location to the telephone room as per equipment supplier's recommendations.
- .6 Pre-approved stations include Webb Electronics LS-250 Rescue Station or other pre-approved alternative.

Part 3 - Approved Manufacturers

- .1 Webb Electronics Inc.
106-12414 82 Ave., Surrey, B.C. Canada. V3W 3E9
Models: OEM-150 hands free telephone
LS-250 Rescue Station
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