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Everclear® Intercom Data Sheet

Specification Overview

Designed specifically for elevators with groups of 8 cars and 4 master stations. Meets ASME A17.1/CSA B44 2.27.1.1.4 emergency communications code. The power supply and selector board mount in the controller. Master stations mount as required by code or spec, and the car amplifier with 3-1/2" speaker is designed to mount in the car operating panel (*must* mount in the car.) The in-use light should be mounted on the car station panel with the "Help" button. The telephone override installs at the car level. By ASME clarification dated January 11, 2012, this intercom is not required to meet monitoring or other requirements of 2.27.1.1.6.

Sound Amplification

High quality sound results from sound being amplified at the point of origin – all master stations and cars – which reduces induced noise from lighting and equipment.

Electrical

Operates on 12 VDC. 120 volt A.C. wires only to the power supply. The power supply with 12 volt, 5 amp hour battery backup is a true current-regulated battery charger. Draws less than 1/4 amp. (standard machine room 120 volt circuit typically supplies 15-20 amps).

Wiring

Recommended installation wire size is 18 gauge. Twisted shielded pairs or co-ax can be used but are not required. Does not require high voltage wiring in the hoistway. See prints for complete details.

Equipment Sizes

Master station lobby recessed (flush mount) enclosure: 4-1/8" x 11" x 2-7/16" deep

Master station machine room enclosure: 5-1/8" x 12-1/8" x 1-15/16" deep

Master station face plates: 5" x 12" #4 brushed stainless

Optional surface mount lobby master fixture 6" x 12" x 1-3/4" deep, with #4 brushed stainless finish and chamfered sides has concealed fasteners and leveling slots.

Car station speaker/amplifier: 4" x 5" x 2-7/16" deep is designed to mount in the car panel.

Optional ceiling enclosure for car speaker/amplifier: 6-1/2" x 5-3/16" x 3" deep

Size requirements for installation in custom fixtures are included on custom fixture drawings.

Finishes and Displays

Face plates are #4 brushed stainless steel with laser etched instructions.

Mounting boxes and brackets are corrosion resistant electro galvanized steel.

Field adjustable red 7-segment LED displays accommodate 1 or optional 2-digit designations.

Vandal Resistant

Face plates and enclosures are rugged steel construction.

Talk/listen and car selection buttons, and on/off rocker switch are low profile.

Hands-Free Operation from Car

Per ASME elevator code, car speaker/amplifier requires no handset or any action by passengers.

Individual cars can be monitored from any master station.

In-use light in the car is automatically activated when communication is established from master station.

Factory preset volume in both master stations and cars adjustable only by installer or service personnel.

Test Features

Safe testing by one person facilitated by 120 volt power disconnect switch, indicator lights and sonalert.

Operates Independently of Telephone and Other Systems

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