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Everclear ® Intercom Test Features

Power Supply

Fuses

The power supply has 3 fuses, which are mounted in fuse holders to reduce exposure to high voltage by the installer and service personnel.

F1 is the incoming 120 VAC fuse. F1 is a GMC 125 milliamp slow blow.

F2 is a 2 amp standard fuse (GMA 2) for the battery in/output.

F3 is a 1 amp standard fuse (GMA 1) for the power supply output.

BOTH battery leads MUST be connected to condition the power. The intercom will not operate properly without it.

Indicator LEDs

The Power Supply has 2 LEDs, a red and a yellow, and a Sonalert. The LEDs do not flash.

The red LED indicates that 120 VAC power is present, the power switch is On, and Fuse 1 is good.

The yellow LED indicates that 12 volt DC power is present and supplied by the battery charger through F3 or the battery through F2, or both.

On/Off Switch for Battery Testing

After installing the Everclear intercom, and at least once a year thereafter, test the battery. Move the switch to the Off position to disconnect the 120 volt AC and allow battery testing without removing hot wires. The intercom should work with the power supply switch turned off. (Turn back on after testing)

Sonalert

Any time the battery is connected and 120 VAC is not present, the Sonalert provides an audible alert to turn the switch back on or check the 120 VAC supply.

Amplifier Boards – Master Station and Car

The car amplifier and master amplifier boards each have a red LED.

The master station amplifier LED indicates that 12 volt power is available to that master station whether it is turned off OR on. But, when a higher priority master station is turned on, it deprives power from lower priority master stations and their red LEDs will be off. The LED on master #2 is only on when master #1 is turned off.

When the red LED in the car amplifier is on, it indicates that it is being supplied with 12 volts, the master station switch is ON, and that car has been selected.

Volume Adjustment

Preset volume can only be made by elevator personnel. Sound is amplified at the point of origin. The sound heard in the car is amplified at the master station, and can be adjusted at Pot VR-1 on the master amplifier board in the master station. The sound heard at the master station is amplified at the car and can be adjusted at Pot VR-1 on the car amplifier board.

Selector Board

The RLY series selector board has a red LED for each (car) channel. The LED is lighted whenever a master station selects a car and the relay is picked. Only one car channel LED is lighted at a time. LED 7 is on whenever Master 1 is turned on (Priority A and B relays are paralleled).

An LED is also associated with each master station. When Master 1 is turned on, LED 7 and 9 are lighted.

When Master 2 is turned on, LED 10 is lighted. When LED 7 is on, it indicates relays PRA and PRB are picked, depriving power from master 2 (and determining 1st priority for master 1).

Note: A LED may light at voltages lower than required to pick a relay.