Everclear   Intercom

Partial Installation Procedures

Technical Service Bulletin 110106

Installation of intercoms in some, but not all of the cars may be useful during modernizations or when a single elevator is to be turned over to the contractor for use during construction. An intercom system will work with as little as 1 master station, 1 in-car amplifier/speaker and with the power supply wired to the selector board.

First: Disconnect the power at the 12 VDC output of the power supply before resetting the configuration to add or change cars. Removing the wire from the battery won't work because the battery charger will supply 12 VDC to the system.

INSTALLING AN INTERCOM IN A SINGLE CAR OF A GROUP:

If you only need to communicate with 1 car of a multi-car intercom, such as for a contractor's use during construction, use the simple procedure below.

On the Selector Board (JF-RLY1 or SEL2A) in the Controller

(1) Wire whichever elevator you want to communicate with into the Channel 1 terminal block on the selector board in the machine room.

On the Display Board (JF-DIG2) in Master Stations - Access by removing the Master Amp Board (JF-MAMP) The JF-DIG2 board will display only single digit numbers for up to 6 cars. If you have a DIG-3 board, see Two Digit Display on page 2.

(2) Disconnect the push-to-select button from the display board in the master station(s).

(3) Configure Switchpack #1 on the display board in the master station to display whatever number/character you want displayed. Whenever the intercom is turned on, the first number displayed will be the number/character that you configure on Switchpack #1.

A 7-segment display with each segment labeled is printed on the circuit board. Use it as a guide to determine which segments are necessary for each letter or character. To the left of each switchpack you will find the letters a thru g that correspond with the switches required to turn on each segment. Turn on all appropriate segments by moving those switches to the right.

All numbers 1 thru 9 and a few characters can be displayed with the 7-segment display. Options include: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, A, B (same as 8), b, C, c, d, E, F, g, H, h, I, i (without dot), J, L, l, O, o, P, S (same as 5), U, u.

Reassemble the master station.

Then connect the power supply and battery leads.

INSTALLING 2 OR MORE INTERCOMS OF A LARGER INTERCOM SYSTEM

It is a simple process to temporarily wire the selector board in the controller and the display board in each master station for the number of cars you want to turn on, and their number or character designation. Then when more cars are ready, change the jumper and display settings.

Make these changes before the intercom is powered up or the battery is connected:

***On the Selector Board (JF-RLY1 or SEL2A) in the* Controller**
(1) Wire the first car you need to turn on to Channel 1 on the selector board, the second to Channel 2, and then sequentially the other channels you need to turn on temporarily.

On the Display Board (JF-DIG2 or JF-DIG3) in Master Stations - Access by removing the Master Amp Board (JF-MAMP)* (The JF-DIG3 board is used for all intercoms except those with a single-digit display or fewer than 6 channels.*

(2) Move the jumber on the header block JB1 to the number of cars in which you want the intercom turned on.

(3) Configure switch blocks for each car you want to turn on.

All numbers and a few characters can be displayed with the wo-digit 7-segment display. Options include: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, A, B (same as 8), b, C, c, d, E, F, g, H, h, I, i (without dot), J, L, l, O, o, P, S (same as 5), U, u.

A 7-segment display with each segment labeled is printed on the circuit board. Use it as a guide to determine which segments are necessary for each letter or character. To the left of switchpacks SW1 – SW8 you will find the letters a thru g that correspond with the switches required to turn on each segment. (the actual switches are numbered 1 thru 9). Turn on all appropriate segments by moving those switches to the right.

Single Digit Display: Set the display number or character on the switch block, starting with SW1 first for the first car, SW2 for the second car, then sequentially for the total number of other cars you want configured. This is the sequence in which the displays will appear.

Leave switches 1 and 2 at the bottom of the switch blocks in the off position for single digit displays. Any car can be numbered any single-digit number or character.

Two Digit Display: Requires switch blocks T1 and/or T2 for the ***most*** significant number (the number in the 10s position) and switch block SW1 – SW8 for the ***least*** significant numbers for the cars that you want to turn on. (Example: In the number 19, the most significant number is 1, and the least significant number is 9).

(3a) Set up the ***least*** significant number on switch blocks SW1 – SW8 using the procedure for Single Digit Display above. These numbers will *display* in the right position.

(3b) Set up the ***most*** significant numbers on switch block T1 and the second most significant number, if any, on T2 by switching on the segments as you did on switch blocks SW1 – SW8. There is a limit of two most significant numbers such as **1**9 and **2**0.

(3c) **Enable** the *most* significant number for each of switch blocks SW1 – SW8 that have a most significant number, by switching on switch #1 (Block label #8) at the bottom to couple it with the first ***most*** significant number. Or turn on switch #2 (Block label is #9) for the ***second most*** significant number.

Reassemble the master station and connect the power supply and battery leads.