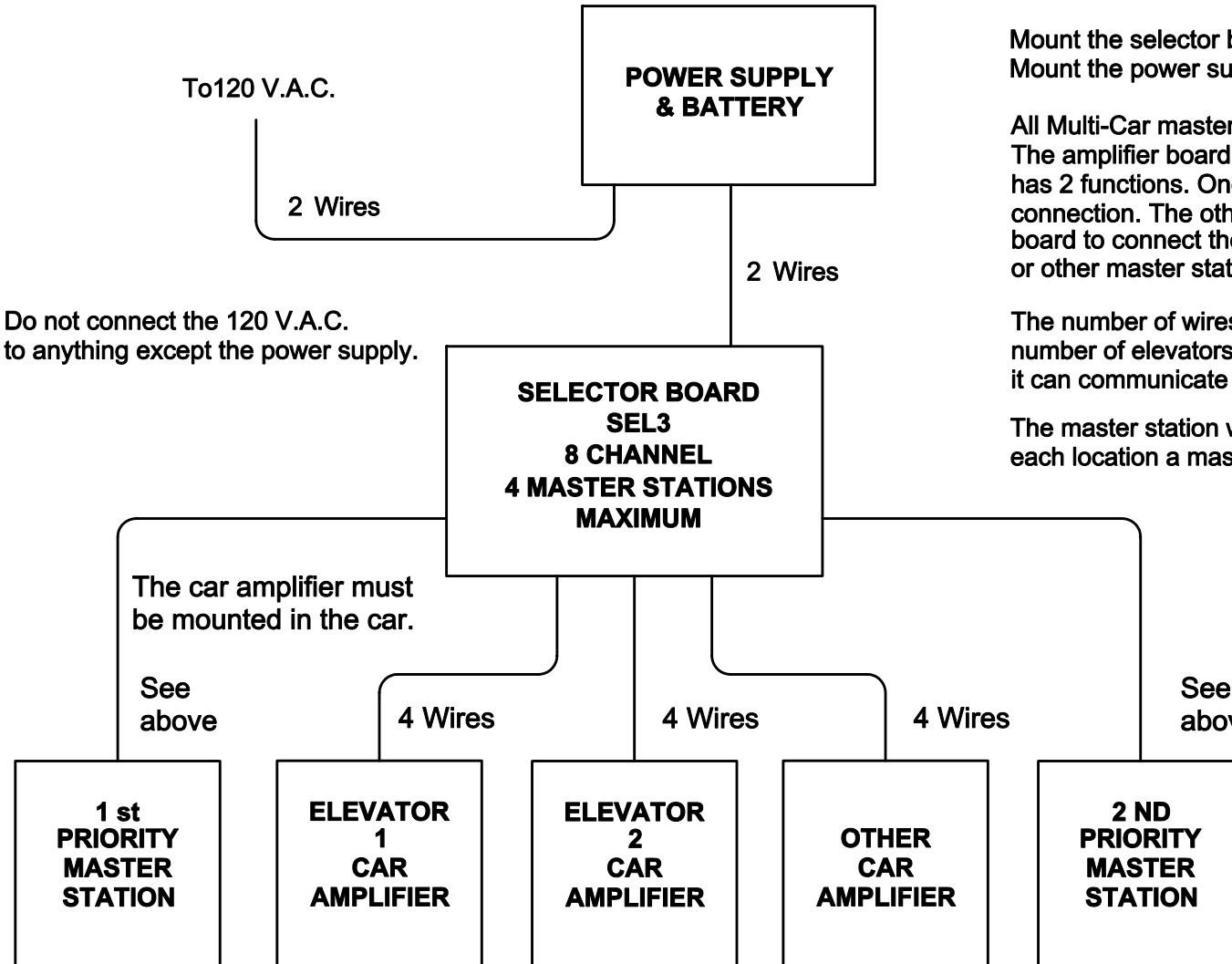


Everclear® II Intercom 8 Car 4 Master Maximum

Configured for master to car and master to master communication



Mount the selector board in the machine room.
Mount the power supply with battery in the controller.

All Multi-Car master stations have 2 circuit boards. The amplifier board is for audio. The display board has 2 functions. One is to display the elevator or master connection. The other is to send a signal to the selector board to connect the master station audio to that elevator or other master station

The number of wires to a master station is determined by the number of elevators and the number of other master stations it can communicate with.

The master station wire count will be 6 wires plus 1 wire for each location a master station can communicate with.

BOTH battery leads must be connected to the battery to condition the 12 volt DC power and keep the battery charged. The intercom will not work properly if both leads are not connected.

Do not connect the 12 VDC from the power supply to the selector board until all other wiring is complete.

Each car amplifier requires 4 wires from the selector board to the elevator.

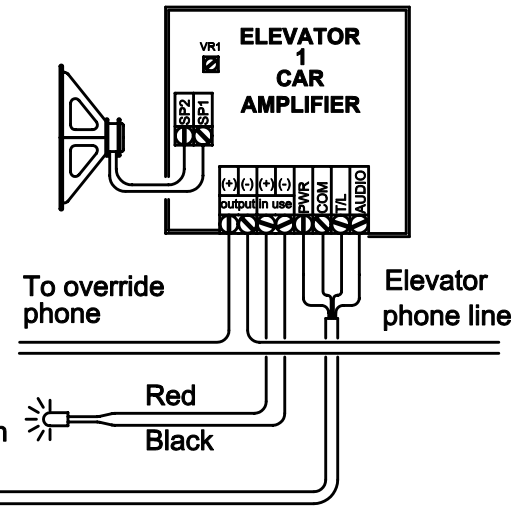
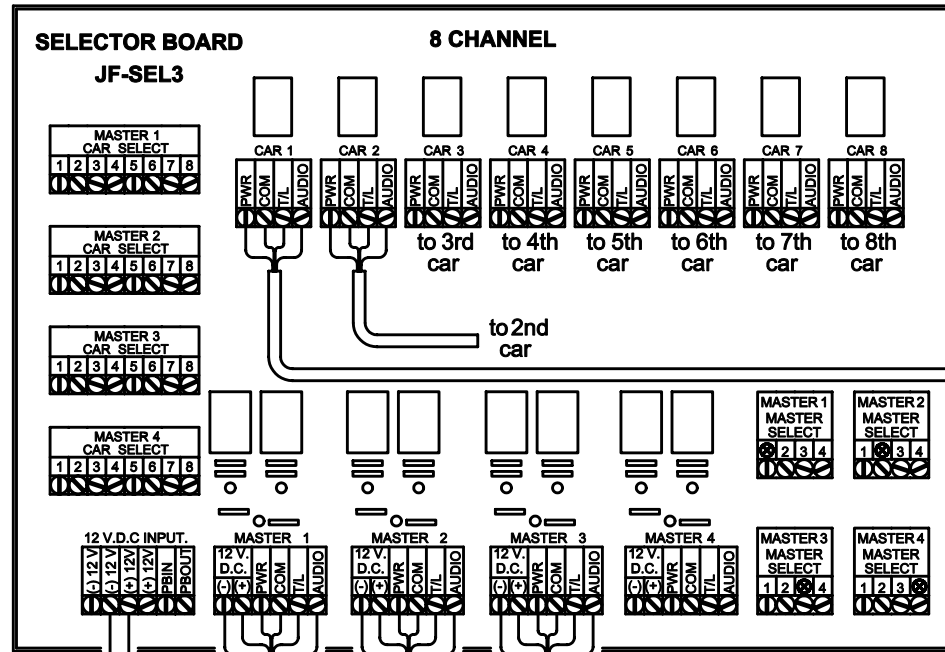
Power requirement: 120 VAC.
Current: Less than 0.125 Amp. continuous.

FUSE INFORMATION		
FUSE	RATING	CIRCUIT
F1	GMC125 m.a. slow	120 V.A.C. input
F2	GMA2 amp	Battery in/output
F3	GMA1 amp	Power supply output

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8 Car 4 Master Station Maximum	
Block DWG.	with SEL3
Page 1 of 4	04/04/14

Everclear® II Intercom 8 Car 4 Master Maximum

Configured for master to car and master to master communication



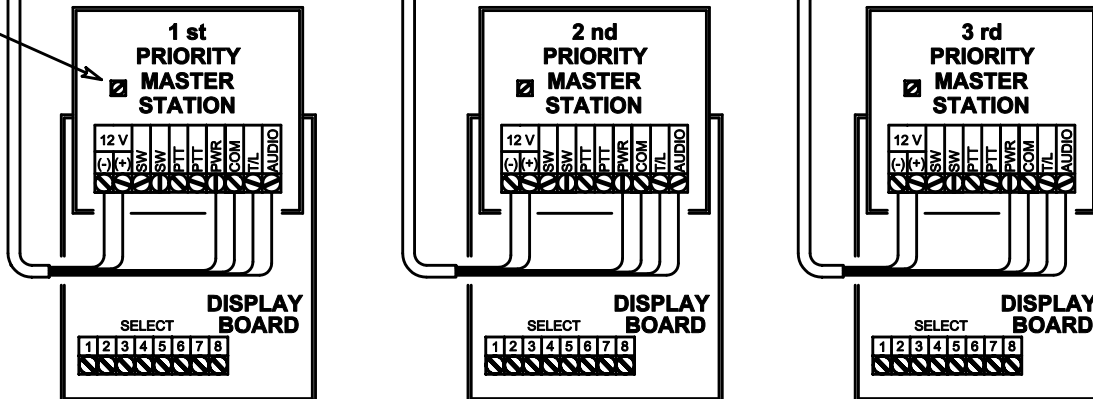
A 3/8" field drilled hole in the car station is required for mounting the intercom in use light.

12 V.D.C. from power supply

Do not connect the 120 V.A.C. to anything except the power supply.

Volume is adjusted at the point of origin. Preset volume heard in the car can be adjusted at POT VR1 in each master station. Preset volume heard at the master station can be adjusted at POT VR1 in the car amplifier. Turn clockwise to increase volume.

Only one master station can communicate at a time so priority must be assigned. The priority #1 master must be wired to the terminal strip labeled Master 1 on the selector board. When turned on, the higher priority master removes power from the lower priority master station. Local codes may dictate which master should have priority.



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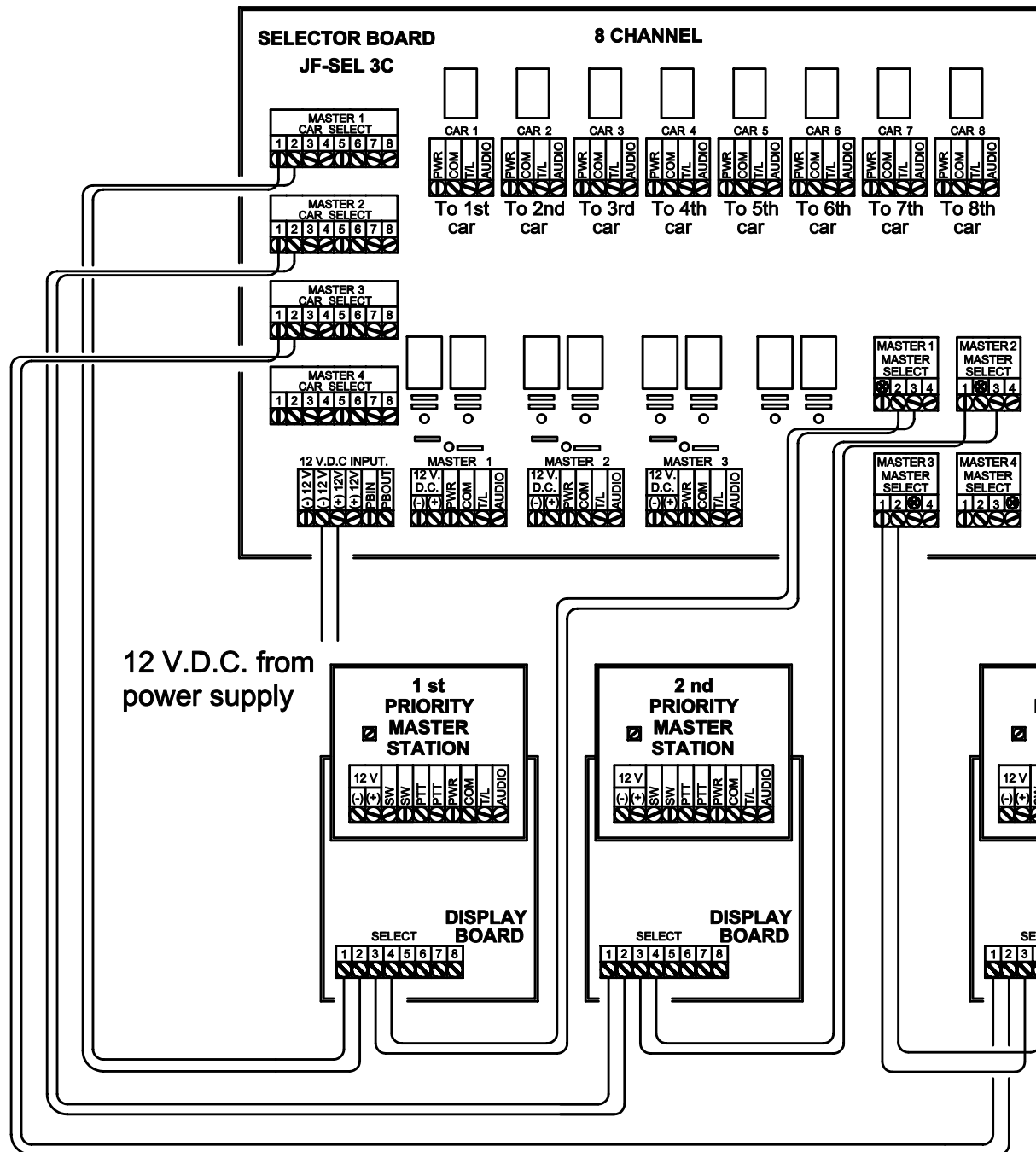
8 Car 4 Master Station Maximum

Field Wiring Dwg. with SEL3

Page 2 of 4 Audio Wiring 04/04/14

Everclear® II Intercom 8 Car 4 Master Maximum

Configured for master to car and master to master communication.



Do not connect the 120 V.A.C. to anything except the power supply.

Master station display boards are always set up to connect with the elevator cars first, then the other Master stations. Elevator 1 then 2 etc. If a Master station can communicate with more than 1 other Master station it will connect with the highest priority Master before the others.

In the example shown Master station 1 will communicate with elevator car 1, then 2 then Master 2, then Master 3. Master station 2 will communicate with elevator cars 1, then 2, then Master 1, then Master 3. Master station 3 will communicate with elevator cars 1, then 2, then Master 1, then master 2.

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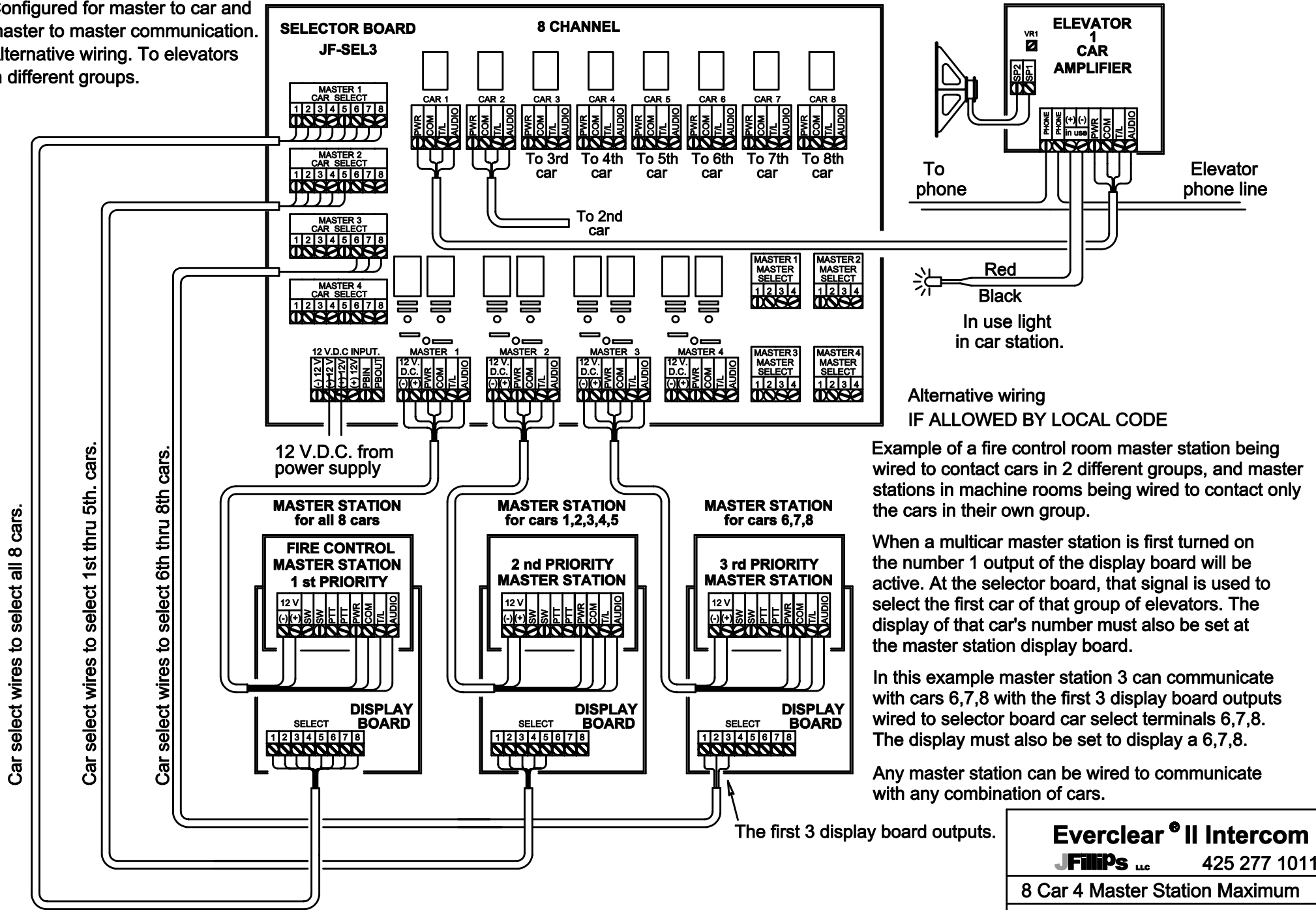
8 Car 4 Master Station Maximum

Field Wiring Dwg. with SEL3

Page 3 of 4 Select Wiring 04/04/14

Everclear® II Intercom 8 Car 4 Master Maximum

Configured for master to car and master to master communication. Alternative wiring. To elevators in different groups.



Example of a fire control room master station being wired to contact cars in 2 different groups, and master stations in machine rooms being wired to contact only the cars in their own group.

When a multicar master station is first turned on the number 1 output of the display board will be active. At the selector board, that signal is used to select the first car of that group of elevators. The display of that car's number must also be set at the master station display board.

In this example master station 3 can communicate with cars 6,7,8 with the first 3 display board outputs wired to selector board car select terminals 6,7,8. The display must also be set to display a 6,7,8.

Any master station can be wired to communicate with any combination of cars.

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8 Car 4 Master Station Maximum	
Field Wiring Dwg. Alternative wiring	
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Record wire color or number to facilitate troubleshooting

Selector board to Master 1 wiring	
Location	
12 (+)	
12 (-)	
PWR	
COM	
T/L	
AUDIO	
SELECT	1
	2
	3
	4
	5
	6
	7
	8

Selector board to Master 2 wiring	
Location	
12 (+)	
12 (-)	
PWR	
COM	
T/L	
AUDIO	
SELECT	1
	2
	3
	4
	5
	6
	7
	8

Selector board to Master 3 wiring	
Location	
12 (+)	
12 (-)	
PWR	
COM	
T/L	
AUDIO	
SELECT	1
	2
	3
	4
	5
	6
	7
	8

Selector board to Master 4 wiring	
Location	
12 (+)	
12 (-)	
PWR	
COM	
T/L	
AUDIO	
SELECT	1
	2
	3
	4
	5
	6
	7
	8

Selector board to Car 1 Amplifier wiring.
PWR
COM
T/L
AUDIO

Selector board to Car 2 Amplifier wiring.
PWR
COM
T/L
AUDIO

Selector board to Car 3 Amplifier wiring.
PWR
COM
T/L
AUDIO

Selector board to Car 4 Amplifier wiring.
PWR
COM
T/L
AUDIO

Selector board to Car 5 Amplifier wiring.
PWR
COM
T/L
AUDIO

Selector board to Car 6 Amplifier wiring.
PWR
COM
T/L
AUDIO

Selector board to Car 7 Amplifier wiring.
PWR
COM
T/L
AUDIO

Selector board to Car 8 Amplifier wiring.
PWR
COM
T/L
AUDIO