

Planning and Layout Worksheet — As-built door label

MSLC 127-xx Sound System Sequencing Panel

Breaker types, sizes, positions and connections

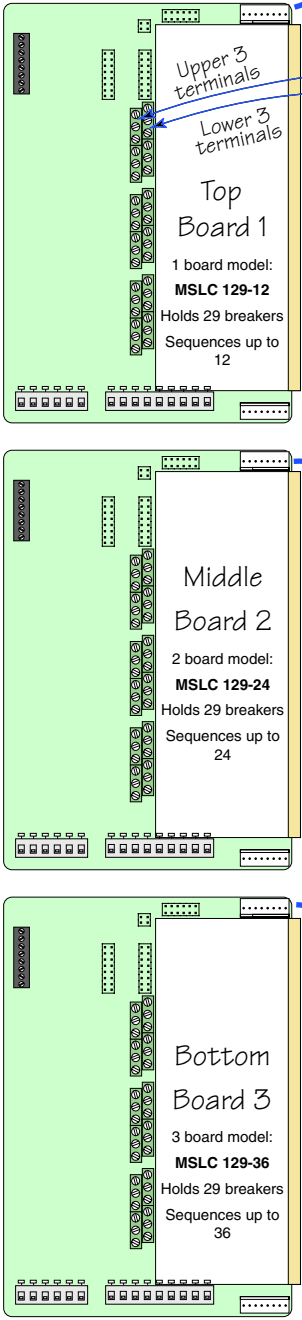
Job _____

Panel _____

Comments _____

by _____ date _____

MS-12 Sequencer circuit boards in left-hand, low voltage cabinet.



Each motorized breaker is controlled by a sequencer.

As-built door label example:

Step # **1a** (1a) (#in parenthesis is *suggested* breaker connection in sequencer).

Bold line around box is the *suggested* sequencer board: Top, Middle or Bottom.

Fill in box to indicate which sequencer board this breaker is connected to.

Which board?

1	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (1a)	MAIN	2
3	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (1b)		4
5	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (2a)		6
7	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (3a)		8
9	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (4a)		10
11	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (5a)		12
13	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (6a)	14	
15	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (1a)	16	
17	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (2a)	18	
19	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (3a)	20	
21	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (4a)	22	
23	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (5a)	24	
25	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (6a)	26	
27	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (1a)	28	
29	<input type="checkbox"/> Amp <input type="checkbox"/> Un-motorized. <input type="checkbox"/> Motorized-Step # _____ (2a)	SEQUENCER POWER 30	

Transfer as-built information to the door label upon completion.

Keep this sheet for as-built documentation

Available as PDF download
www.lyntec.com/139-0274_MSLC127Plnr.pdf

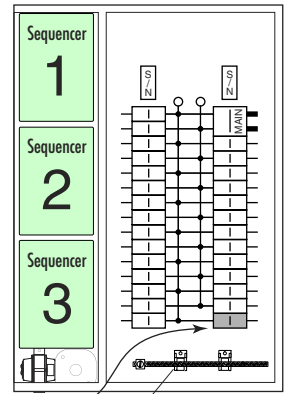
LynTec MSLC 127-xx

-xx = Maximum number of sequenced breakers.

See left side of page for model number explanation.

Cabinet Outline
Surface mount only

Modular Sequencing Load Center



Isolated Technical Ground Bar
Feed: 2/0 max.
Branches: 26 positions, 4-14 ga.

Square D QO130xxxx Load Center with LynTec low-voltage sidecar.

Main Breaker: QO2xxxVH.
xxx A, 22kAIR.

Wire: Back Fed Main: #4-2/0 Al or Cu
Neutral: #4-350 kcmil Al/Cu.

Outside dimensions
20.9" w., 29.8" h., 3.9" d.
Surface mount only.

How it works

The **SEQUENCER POWER** circuit breaker powers the sequencer circuit boards via a 24 volt transformer.

Motorized circuit breakers (marked **REMOTELY OPERATED**) are time sequenced by relays in the adjacent, left-side, low voltage sequencer cabinet.

The **ON** or **OFF** sequence is initiated at remote sound system locations and may be locally tested with the **top** green ON and **bottom** red OFF buttons on the circuit boards.

Sequenced breakers are sequenced on (Steps 1 to 6) and off (Steps 6 to 1) at 1/8 to 1 second intervals and may have a programmed **PAUSE DELAY** of up to 8 minutes during the sequence. These **STEP RATE**, **DELAY TIME** and **DELAY POSITION** settings are set by moveable jumpers inside the sequencer cabinet.

Each 6 step sequencer board controls up to 12 breakers by turning on and off two breakers per step.

The circuit boards are factory daisy-chained, top-to-bottom, with the **Cascade Connector (4 pin)** set.

The **Power & Kill Connector (4 pin)** set carries power, common and Kill signals.

ZIP-OFF load shedding

2 seconds after a power failure, the sequencer turns off all sequenced breakers. When power resumes the sequencer automatically re-sequences the system on.

ZIP-OFF may be demonstrated by turning off the **SEQUENCER POWER** breaker momentarily.

Low voltage control Wiring Diagram located inside left cover.

www.lyntec.com/139-0327_SequencerLV_Wiring.pdf

www.**LynTec**.com
800-724-4047
8-5 Central Time