Planning and Layout Worksheet — As-built door label

LynTec MSLC 129-xx Modular Sequencing Load Center

(One-Touch, sequential AC power control for Sound & AV Systems)

Breaker types, sizes, positions and connections

Job_____

Panel _____

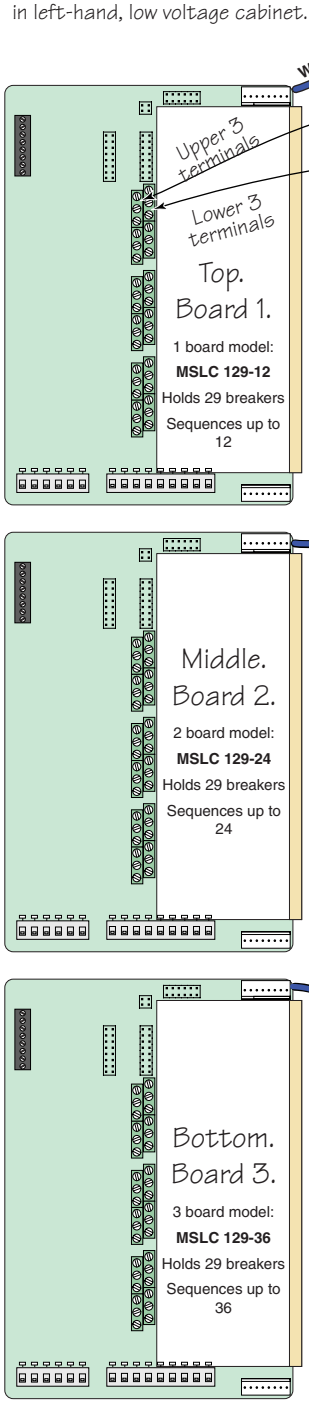
Comments_____

_____

by_____ Date_____

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 [ ] = *suggested* sequencer board: #1(Top), #2 or #3.
Fill in [■] box to indicate which sequencer board this breaker is connected to.

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



1	Amp. ☐Un-motorized. ☐Motorized-Step # ____(1a)	2	Amp. ☐Un-motorized. ☐Motorized-Step # ____(1b)
3	Amp. ☐Un-motorized. ☐Motorized-Step # ____(2a)	4	Amp. ☐Un-motorized. ☐Motorized-Step # ____(2b)
5	Amp. ☐Un-motorized. ☐Motorized-Step # ____(3a)	6	Amp. ☐Un-motorized. ☐Motorized-Step # ____(3b)
7	Amp. ☐Un-motorized. ☐Motorized-Step # ____(4a)	8	Amp. ☐Un-motorized. ☐Motorized-Step # ____(4b)
9	Amp. ☐Un-motorized. ☐Motorized-Step # ____(5a)	10	Amp. ☐Un-motorized. ☐Motorized-Step # ____(5b)
11	Amp. ☐Un-motorized. ☐Motorized-Step # ____(6a)	12	Amp. ☐Un-motorized. ☐Motorized-Step # ____(6b)
13	Amp. ☐Un-motorized. ☐Motorized-Step # ____(1a)	14	Amp. ☐Un-motorized. ☐Motorized-Step # ____(1b)
15	Amp. ☐Un-motorized. ☐Motorized-Step # ____(2a)	16	Amp. ☐Un-motorized. ☐Motorized-Step # ____(2b)
17	Amp. ☐Un-motorized. ☐Motorized-Step # ____(3a)	18	Amp. ☐Un-motorized. ☐Motorized-Step # ____(3b)
19	Amp. ☐Un-motorized. ☐Motorized-Step # ____(4a)	20	Amp. ☐Un-motorized. ☐Motorized-Step # ____(4b)
21	Amp. ☐Un-motorized. ☐Motorized-Step # ____(5a)	22	Amp. ☐Un-motorized. ☐Motorized-Step # ____(5b)
23	Amp. ☐Un-motorized. ☐Motorized-Step # ____(6a)	24	Amp. ☐Un-motorized. ☐Motorized-Step # ____(6b)
25	Amp. ☐Un-motorized. ☐Motorized-Step # ____(1a)	26	Amp. ☐Un-motorized. ☐Motorized-Step # ____(1b)
27	Amp. ☐Un-motorized. ☐Motorized-Step # ____(2a)	28	Amp. ☐Un-motorized. ☐Motorized-Step # ____(2b)
29	Amp. ☐Un-motorized. ☐Motorized-Step # ____(3a)	**SEQUENCER POWER** 30	10A un-motorized breaker supplied installed.

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.

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

146-0206-03 MSLC 129

Low voltage control Wiring Diagram located inside left cover.

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

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

Keep this sheet for as-built documentation

Available as PDF download
www.lyntec.com/139-0258_MSLC129Plnr.pdf

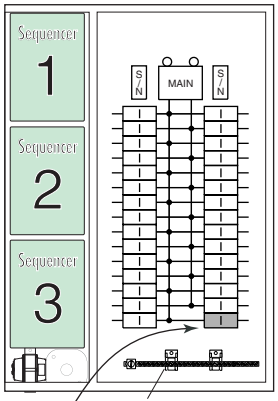
LynTec

MSLC 129-xx

-xx = Maximum number of sequenced breakers.
See left side of page for model number explanation.

Cabinet Outline
Surface mount only

Modular **S**equencing **L**oad **C**enter



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

Square D QO130M200 Load Center with LynTec low-voltage sidecar.

Standard Main Breaker: QOM2**200**VH.

200A, 22k AIR. [Amps Interrupt Rating]
Main Breaker options — Part# suffix

-M1**125**, -M1**150**, -M1**175** Amp

Square D QOM2**xxx**VH, All 22k AIR.
Wire: #4 - 350 kcmil Al/Cu.

Other back-fed main options

Uses positions 2 & 4 for back fed main breaker resulting in a **MSLC 127-xx-Mxxx** part #.
see
www.lyntec.com/139-0274_MSLC127Plnr.pdf

MSLC 127 Main Options

Part# suffix — **Bold face**=Amps
-M10**30**, -M10**40**, -M10**60**,
-M10**80** & -M1**100** available.
Square D QO2**xxx**VH, all 22k AIR.
Wire: #4 - 2/0 kcmil Cu.
Outside dimensions
20.9" w., 29.8" h., 3.9" d.
Surface mount only.