

Planning and Layout Worksheet — As-built door label
LynTec MSLC 329-xx-MLO 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 _____

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

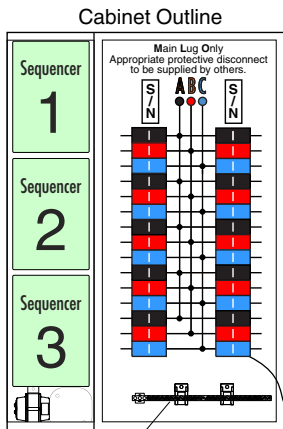
Keep this sheet for as-built documentation

Available as PDF download
www.lyntec.com/139-0298_MSLC329Plnr.pdf

LynTec
MSLC 329-xx-MLO

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

Modular Sequencing Load Center Main Lug Only



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

Square D QO330L200G Load Center with LynTec low-voltage sidecar.

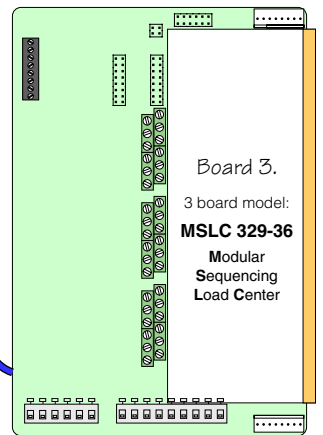
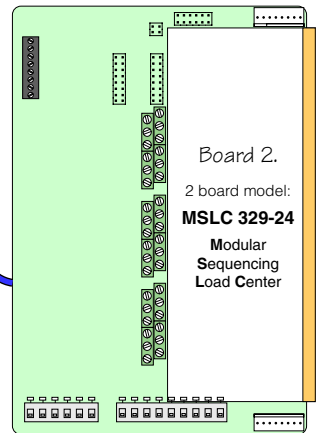
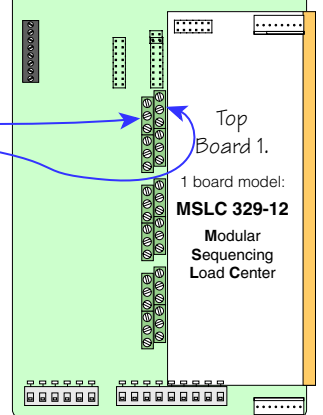
Main Lug Only
 Mains rating: 200 amps
 Wire: #4 - 250 AWG/kcmil Al or Cu.
 Outside dimensions
 20.9" w., 29.8" h., 3.9" d.
 Surface mount only.

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.

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

Which Board?

M5-12 Sequencer circuit boards in left-hand, low voltage cabinet.



How it works

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

Motorized circuit breakers (marked **REMOVEDLY 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

146-0258-02 MSLC 329