

Planning and Layout Worksheet — As-built door label
LynTec MSLC 326-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 _____

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

Keep this sheet for as-built documentation

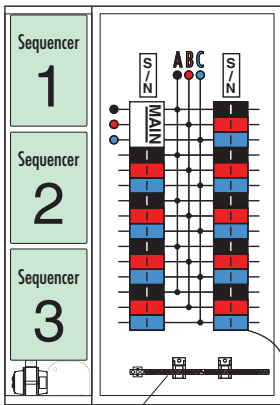
Available as PDF download
www.lyntec.com/139-0245_MSLC326Plnr.pdf

LynTec MSLC 326-xx

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

Modular Sequencing Load Center

Cabinet Outline



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

Square D QO327M100 Load Center with LynTec low-voltage sidecar.

Standard back-fed Main Breaker: QO3100VH. 100A, (VH = 22kAIR).

Main options — Part# suffix
BOLD FACE=Amps
 -M3030, -M3035 [10kAIR] QO3xx

-M3050, -M3060, -M3070 or -M3090 QO3xxVH [all 22k AIR] [Amps Interrupt Rating]

Wire: #4 - 2/0 kcmil Cu.

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

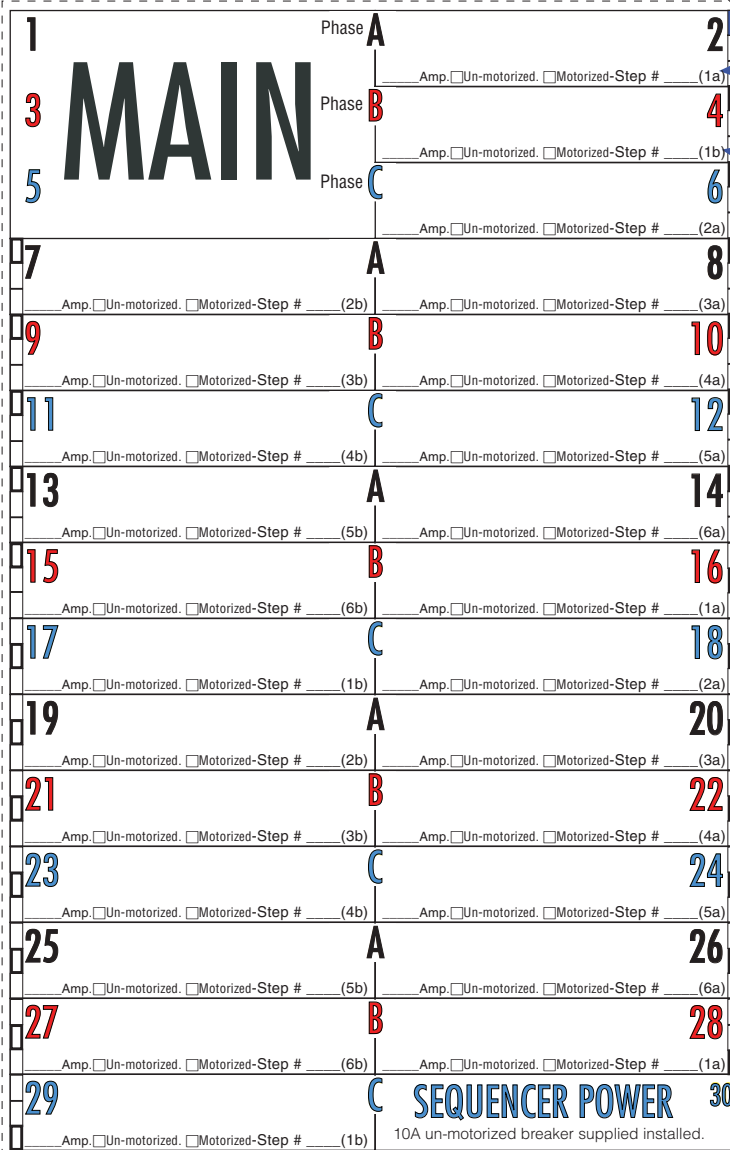
Each motorized breaker is controlled by a sequencer.

As-built door label example:

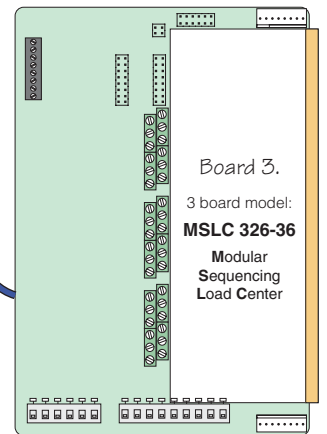
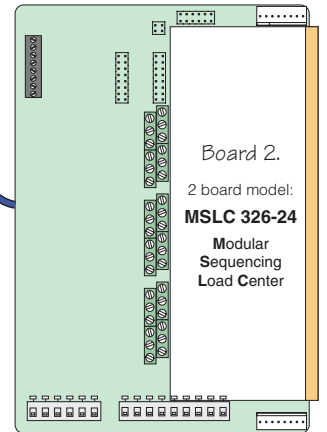
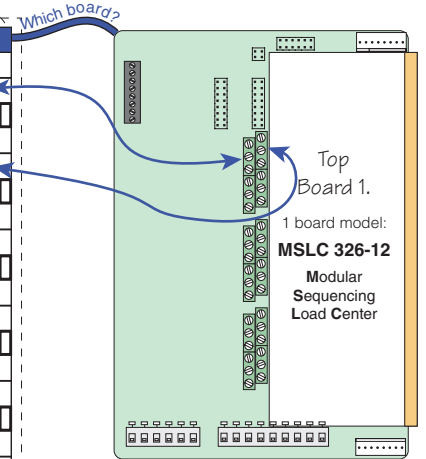
Step # **1a** (1a) (# in parenthesis is *suggested* breaker connection in sequencer).

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.



MS-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 **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