

Planning and Layout Worksheet — As-built door label
LynTec MSLC 113-xx BP BALANCED POWER - 60v-0-60v

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 _____

M5-12 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 **1** = *suggested* sequencer board: #1(Top), #2 or #3.
 Fill in **1** box to indicate which sequencer board this breaker is connected to.

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

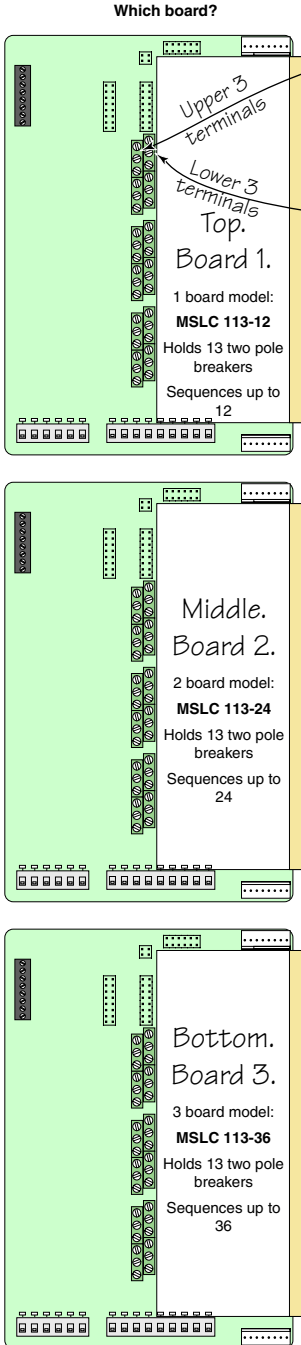
Keep this sheet for as-built documentation

Available as PDF download at www.lyntec.com

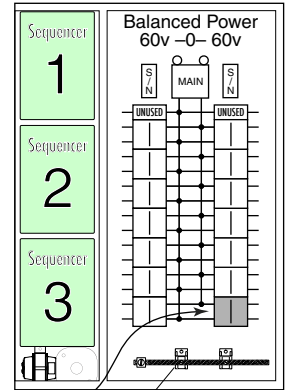
LynTec MSLC 113-xx
 -xx = Maximum number of sequenced breakers.
 See left side of page for model number explanation.

Cabinet Outline
 Surface mount only

Modular Sequencing Load Center



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



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: QOM2200VH.

200A, 22k AIR. [Amps Interrupt Rating]

Main Breaker option — Part# suffix

-M1150 Amp

Square D QOM2xxxVH, All 22k AIR.

Wire: #4 - 350 kcmil Al/Cu.

Other back fed main options

Uses original panel positions 2 & 4 for a back fed main breaker

resulting in a **MSLC 112-xx-Mxxx** part #.

Main Options — Part# suffix — **Bold**

face=Amps

-M1030, -M1040, -M1060,

-M1080 & -M1100 available.

Square D QO2xxxVH, all 22k AIR.

Wire: #4 - 2/0 kcmil 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.

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

146-0273-00 MSLC 113 BP Door