Planning and Layout Worksheet — As-built door label

LynTec LCLC 329-xx Lighting Control Load Center

DMX controlled, AC power remote control for un-dimmed lighting circuits

Breaker types, sizes, positions and connections

Job_____

Panel _____

Comments_____

_____

by_____ Date_____

Each motorized breaker is actuated by a command from a DMX control device.
As-built door label example:
The DMX # _____ is the DMX address of this breaker.
The board jumpers set the DMX address of the #1 position of the board.
Positions 2 to 10 are subsequent addresses. Example: #1= 201, #2 to #10 = 202 to 210.
Bold line around box ☐= ***suggested*** control board: #1 (Top), #2 or #3.
Fill in ■ box to indicate which control board this breaker is connected to.

Transfer as-built information to the door.

Keep this sheet for as-built documentation.

201	1 Phase A	2	202
203	3 Phase B	4	204
205	5 Phase C	6	206
	7 A	8	
	9 B	10	
	11 C	12	
	13 A	14	
	15 B	16	
	17 C	18	
	19 A	20	
	21 B	22	
	23 C	24	
	25 A	26	
	27 B	28	
	29 C	30 DMX CONTROL POWER	

Each breaker: ____Amp. ☐ Un-motorized. ☐ Motorized-DMX # _____

10A un-motorized breaker supplied installed.

Which board ?

LC-10M Master & LC-10S Slave circuit boards in left-hand, low-voltage cabinet.

Board 1
1 board model
LCLC 329-10 Lighting Control Load Center
329-10 model holds up to 29 poles.
Controls up to 10 1, 2, or 3 pole breakers.

LC-10M Master board has DMX I/O components.

DMX Starting address: _____

DMX Output

DMX Input

Board 2
2 board model
LCLC 329-20 Lighting Control Load Center
329-20 model holds up to 29 poles.
Controls up to 20 1, 2, or 3 pole breakers.

LC-10S Slave board has no DMX I/O components.

Multiple Universe Option replaces Slave board with additional Master board/s.

DMX Starting address: _____

Board 3
3 board model
LCLC 329-30 Lighting Control Load Center
329-30 model holds up to 29 poles.
Controls up to 30 1, 2, or 3 pole breakers.

DMX Starting address: _____

Available as PDF download
www.lyntec.com/139-0408_LCLC329Plnr.pdf

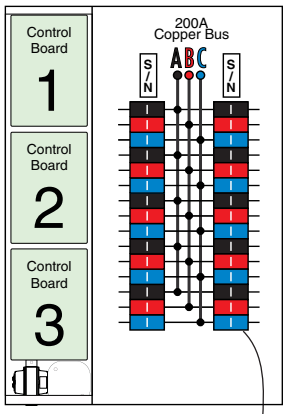
LynTec

Lighting Control Load Center

LCLC 329-xx

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

Cabinet Outline — Surface mount only



Square D QO330L200G Load Center
Main **L**ug **O**nly
with LynTec low-voltage sidecar

Wire: #6 - 250 kcmil Al/Cu

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

How it works

The **DMX CONTROL POWER** circuit breaker powers the circuit boards via a 24 volt transformer.

Motorized circuit breakers (face-marked **REMOTELY OPERATED**) are individually actuated by a command from a remote DMX control device.

Each numbered LED idicates the status of that addressed breaker.
Lit = ON, Unlit = OFF
Flashing = command execution in progress.

Each circuit board controls up to ten 1, 2 or 3 pole motorized circuit breakers.

Master and Slave boards are used depending upon the number of DMX universes served. (Slaves have no DMX input or output components).

DMX signals are fed to the Master board of each DMX universe system.

Power and DMX data are daisy-chain fed board-to board by the yellow jumper connectors.

The *STARTING* DMX address is set for each board by jumpers.

The DMX Output is an optoisolated, Buffered, Loop-Thru for driving other DMX devices. Output data availablility is indicated by a flickering LED.

MANUAL CONTROL

The circuit breakers may be manually controlled by the TEST switches on each board.

The test switches work in the absence of a DMX signal. A valid DMX signal, indicated by a flashing **Receiving DMX** LED overrides the test switches.

DMX PROTOCOL for **LynTec LC** series

Code Range (8 bit)	%	Circuit Function
0-63	0-24	Turns breaker off. When applied to all breakers simultaneously, they turn OFF at a .25 second step rate.
64-191	25-74	No change
192-255	75-100	Turns breaker on. When applied to all breakers simultaneously, they turn ON at a .25 second step rate.

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