

Specifier's Guide for LynTec Lighting Control Panels

Load Center and Panelboard part number explanation

Load Center — Panelboard — What's the difference?

Panelboards are the electrician's choice because they have 3 times the wiring space. Panelboards are used when bolt-on breakers, 200% neutrals or high circuit counts are required.

Load Centers are typically used where the circuit count isn't high, offering the lowest cost.

Lighting Control Panelboards

LCP 341- 30 -2U -MJG3200

341 Number of available single pole circuit breaker spaces
3 = 3 phase 208/120v, 4 wire

30 Control board capacity—will drive up to this number of 1, 2 or 3 pole motorized breakers

2U number of DMX512 Universes

-MJG3200 -Main breaker & -Main Lug Only options SEE BELOW

3 Phase Panelboards

400 A Panelboard

The standard LCP 341-xx-M400 has a LA36400, 3 pole, 400 Amp main breaker (115 kVA). 10kAIR [Amps Interrupt Rating]. Optional main breakers — call for price and delivery.

-MLO (Main Lug Only) is an option.

225 A Panelboard

The standard LCP 341-xx has a JGP36225, 3 pole, 225 Amp main breaker (65 kVA). 65k AIR [Amps Interrupt Rating]. Optional main breakers [All 65kAIR]

125A -MHG3125 (36 kVA transformer)

150A -MJG3150 (45 kVA)

175A -MJG3175 (50 kVA)

200A -MJG3200 (60 kVA)

-MLO (Main Lug Only) is an option.

Panelboard
A&E Specs

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Multiple DMX512 Universe Option

LynTec Lighting Control panels have the option of multiple universe control. All LC-10 boards service up to 10 - one, two or three pole motorized breakers. The first/top control board is always a LC-10M Master board. The Master board has the opto-isolated DMX512 input and opto-isolated, buffered, feed-thru output components.

In a standard one-universe system, the subsequent boards are slaves. The lower-cost, LC-10S Slave boards have their own starting address, but derive their opto-isolated DMX data from the Master board above.

When multiple universes are desired, two or more LC-10M Master boards are supplied.

Each universe requires a Master board. Any Master may have one or more subsequent slaves. See page 3 for possible board counts in each type panel.

Please include Branch Breakers to complete your specification.

Lighting Control Load Centers

LCLCH 341- 30 -2U -MQD3200

▲ **H option**
65k AIR
Main Breaker.
Amps Interrupt Rating
(Available only on 341)

341 Number of available single pole circuit breaker spaces

30 Control board capacity—will drive up to this number of 1, 2 or 3 pole motorized breakers

2U number of DMX512 Universes

-MQD3200 -Main breaker & -Main Lug Only options >>>>>>

3 = 3 phase 208/120v, 4 wire

Load Center
A&E Specs

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Load Center Main Breaker Options

Large 3 Phase Load Center

The standard LCLC 341-xx has a factory installed, 3 pole, 225 Amp main breaker (65 kVA transformer) [25kAIR Amps Interrupt Rating].

Optional main breakers [All 65kAIR]

150A -MQD3150 (45 kVA)

175A -MQD3175 (50 kVA)

200A -MQD3200 (60 kVA)

-MLO (Main Lug Only) option:

We only stock LCLC panels with main breakers. If your specification requires a **-MLO** we will provide it at the same price as the standard panel.

▲ Higher Interrupt Current Option

LoadCenter: QGL32xxx series 65k AIR main breaker— 150,175, 200 or 225A

Add the **H** to the model type. Example: LCLCH 341.

Small 3 Phase Load Center

The standard LCLC 326-xx has a bracket-retained, clip-on, back-fed, 3 pole, 100 Amp main breaker.

Optional main breaker sizes available:

⊗ 30A -M3030 (7.5 kVA transformer)

⊗ 35A -M3035 (10 kVA)

⊕ 50A -M3050 (15 kVA)

⊕ 70A -M3070 (20 kVA)

⊕ 90A -M3090 (25 kVA)

⊗ 30A & 35A: 10kAIR

⊕ 50A up: 22kAIR (Amps Interrupt Rating)



RBLC-10 or RBLC-20

10 or 20 circuit
Remote Breaker Lighting Controller

Provides DMX control for any Square D QO panel by using BMB or MB breakers.

The UL listed heart of the LynTec Lighting Control and Sound Sequencing Panels

Handle functions as a normal circuit breaker.

When switched off or tripped due to overload, the remote control will not turn on power.

When in the normal ON position, the motorized remote control will turn it off and on.

The motor does not move the handle... it only opens or closes the high current contacts.

Snap on clip with heavy steel force spring. Contact is held tightly in place on panel bus feeder finger.

Under high current stress, magnetic forces actually increase contact pressure.

Also available in Bolt-on versions for Panelboards only.

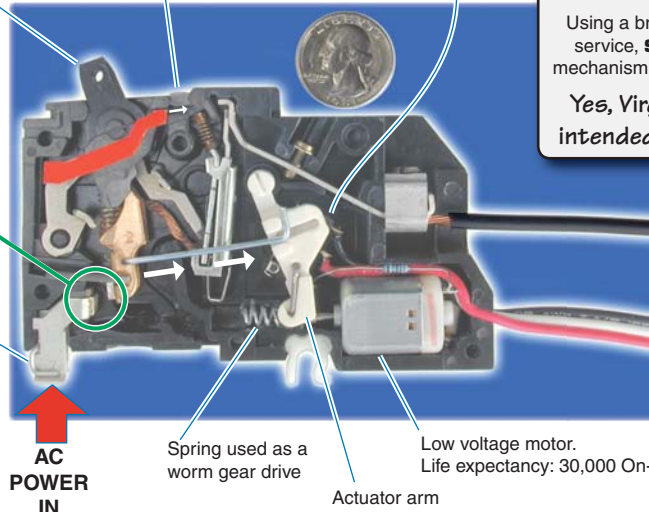
Red flag snaps into window when circuit breaker is tripped.

Microswitch, behind Actuator arm, opens motor circuit at end of transition.

The time-proven **SQUARE D** QOPL series motorized circuit breaker.

Using a breaker proven in over 20 years of service, **SQUARE D** added a motor mechanism in 1986 to provide remote control.

Yes, Virginia, some breakers are intended to be used as switches!



**Controlled AC
POWER OUT**

3 wire, low-voltage, 60" pigtail with 600 volt insulation. Connects to Lighting Controller in low voltage cabinet.

**AC
POWER
IN**

Spring used as a worm gear drive

Low voltage motor. Life expectancy: 30,000 On-Off operations.

Actuator arm

Field installed, UL & CSA listed, motorized circuit breakers are required to complete the Lighting Control Panel or Sequencing Panel package.

BLUE TYPE = Bolt-on breakers for Panelboards ONLY — Clip-on breakers fit Load Centers or Panelboards

BMB-15 Bolt-on Motorized Breaker, Square D #QOB115PL-5393

MB-15 Clip-on Motorized Breaker, Square D #QO115PL-5393
One pole, 15 Amps. Special 60" leads. Square D trip curve: 730-4

BMB-20 Bolt-on Motorized Breaker, Square D #QOB120PL-5393

MB-20 Clip-on Motorized Breaker, Square D #QO120PL-5393
One pole, 20 Amps. Special 60" leads. Square D trip curve: 730-4
15 and 20 Amp breakers have a HM, (High Magnetic) rating. HM reduces nuisance breaker trips on high inrush loads.

BMB-220 Bolt-on Motorized Breaker, Square D #QOB220PL-5393

MB-220 Clip-on Motorized Breaker, Square D #QO220PL-5393
Two pole, 20 Amps. Special 60" leads. Square D trip curve: 730-4
15 and 20 Amp breakers have a HM, (High Magnetic) rating. HM reduces nuisance breaker trips on high inrush loads.

BMB-30 Bolt-on Motorized Breaker, Square D #QOB130PL-5393

MB-30 Clip-on Motorized Breaker, Square D #QO130PL-5393
One pole, 30 Amps. Special 60" leads. Square D trip curve: 730-5

BMB-230 Bolt-on Motorized Breaker, Square D #QOB230PL-5393

MB-230 Clip-on Motorized Breaker, Square D #QO230PL-5393
Two pole, 30 Amps. Special 60" leads. Square D trip curve: 730-5

2 pole 30A, 40A and 60A and 3 pole Bolt-on and Clip-on Motorized Breakers are also available on special order. — Call 800-724-4047 for price and delivery.

UnMotorized circuit breakers for un-controlled circuits

BUMB-10, -15, -20 or -30 are Bolt-on, 10, 15, 20 or 30 amp single pole. Square D QOB110, QOB115HM, QOB120HM or QOB130. — 15s & 20s are High Magnetic.

UMB-10, -15, -20 or -30 are Clip-on, 10, 15, 20 or 30 amp single pole. Square D QO110, QO115HM, QO120HM or QO130. — 15s & 20s are High Magnetic.

