LCP 341-xx-M125 to -M225 (65k AIR main) - 225A bus

- xx = Number of controller circuits
- 10, 20, 30, 40, or 50.

Cabinet outline - Surface mount only
Outside dimensions: 28.06" w., 50" h., 6.13" d.
Knockout panels supplied in both ends.

DMX CONTROL POWER

DMX PROTOCOL for LynTec LC series

Code Range

<table>
<thead>
<tr>
<th>Code Range</th>
<th>% Circuit Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-63</td>
<td>Turns breaker off. When applied to all relays simultaneously, they turn OFF at a .25 second step rate.</td>
</tr>
<tr>
<td>64-191</td>
<td>No change</td>
</tr>
<tr>
<td>192-255</td>
<td>Turns breaker on. When applied to all relays simultaneously, they turn ON at a .25 second step rate.</td>
</tr>
</tbody>
</table>

LCP 341-xx-M125 to -M225

Each motorized breaker is actuated by a command from a DMX control device.

As-built door label example:

Each motorized breaker is actuated by a command from a DMX control device. 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 suggests control board: #1 (Top), #2, #3 or #4. Fill in box to indicate which control board this breaker is connected to.
LynTec Lighting Control Panelboard

MODEL NUMBERS
LCP 341-10-Mxxxx (Up to 10 DMX controlled circuits)
LCP 341-20-Mxxxx (Up to 20 DMX controlled circuits)
LCP 341-30-Mxxxx (Up to 30 DMX controlled circuits)
LCP 341-40-Mxxxx (Up to 40 DMX controlled circuits)
LCP 341-50-Mxxxx (Up to 41 DMX controlled circuits - limited by 42 circuit code rule)

Square D NQOD-NL MB Panel with LynTec low-voltage sidecar.

Standard LCP-225A Main Breaker: 225 Amp. - 65k AIR - MJG32225

Square D MJG32xxx or MHG32xxx series (all 65k AIR) (Amps Interrupt Rating)

Main Breaker options
Part suffix — Bold face = Amps
-MHG3325, -MJG3350, -MJG3375 or -MJG3300

Wire Sizes
Main Breaker: 3/0 - 350 kcmil Al/Cu.
200% Neutral has one feed lug that accepts 2 - 250 kcmil Cu wires.

Surface Mount
Outside Dimensions:
28.06" w., 50.2" h., 6.13" d.

High voltage interior may be field inverted for top feed


125-225 Amp Lighting Panelboard Outline Drawing
**Program Card** — As-built record

LynTec LCLC or LCP 341 series DMX controlled circuit breaker panel.

**DMX CONTROL POWER**

<table>
<thead>
<tr>
<th>Panel</th>
<th>Location</th>
<th>By</th>
</tr>
</thead>
</table>

See reverse side for DMX PROTOCOL

**Revision _____________________ Date______________________ By____________________**

**Panel __________ Location ______________________________________________________**

<table>
<thead>
<tr>
<th>1</th>
<th>Amp Un-motorized</th>
<th>Motorized DMX #</th>
<th>universe</th>
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<td>Motorized DMX #</td>
<td>universe</td>
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<td>Motorized DMX #</td>
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</tr>
<tr>
<td>40</td>
<td>Amp Un-motorized</td>
<td>Motorized DMX #</td>
<td>universe</td>
</tr>
</tbody>
</table>

How it works

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

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

Each of the numbered LEDs, 1 thru 10, indicate the status of the attached breaker.

Lit = ON — Unlit = OFF

Flashing = A command execution is in progress.

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

Each motorized breaker acts as a circuit protection device as well as a remotely operated switch. The breaker handle moves only when over-current tripped or manually turned off.

Master and Slave control 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's from the appropriate DMX universe.

Power, DMX and EDO data are daisy-chain fed board-to-board by the yellow jumper connectors. (EDO = Emergency DMX Override)

The STARTING DMX address is set for each board by jumpers. Depending on the results of a power-up-scan, consecutive DMX addresses are only used for the headers with breakers attached.

The DMX Output is an optocoupled, buffered, loop-thru for driving other DMX devices.

Output data availability is indicated by a small-green flickering DMX Output LED.

**MANUAL TEST 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 large-green Receiving DMX LED, overrides the test switches.

**Emergency DMX Override**

see above right

www.LynTec.com

800-724-4047

8-5 Central Time

---

**Program Card**

139-0377-096 LC 341 Program Card 12/15/08 — Download and print current revision: http://www.lyntec.com/139-0377_LC341_ProgramCard.pdf


---

For egress or emergency lighting triggered by an external contact.

Connecting EDO to **Common** with an external contact overrides the incoming DMX signal and forces all breakers to the pre-programmed EDO state.

How to program EDO

A. Turn the **DMX CONTROL POWER** off.

B. Note the **DMX Starting Address**

C. Move jumpers to reset the **STARTING** DMX address to 599.

D. Turn the **DMX CONTROL POWER** on.

The board will scan through the breakers 1 thru 10 and display the previous EDO settings if they are any stored in memory. All numbered LEDs that were on when the EDO setting was stored will light.

E. Press the **green EDO ON-OFF Toggle** button once.

The #1 breaker LED will flash; Fast for **ON** — Slow for **OFF**.

**Toggle** the same green button to the desired state of the #1 breaker.

F. Advance to breaker #2 with the **red EDO Advance** button. (#1 now indicates the condition you left it in. Lit = **ON**)

G. Set the rest of the positions, having breakers connected, to your desired EDO condition. Finish your settings with one more **EDO Advance** keystroke.

All breaker LEDs will indicate their EDO state. If you change your mind, you can loop back to 1 with another **Advance** keystroke. #1 will begin flashing again to indicate it's ready to edit.

H. To store your EDO settings, turn **DMX CONTROL POWER** off and wait until the large red LED extinguishes.

I. Reset the **DMX Starting Address** jumpers to the one remembered in step B.

J. Turn on **DMX CONTROL POWER**. Now whenever you connect the EDO terminal to **common**, the red EDO LED will light and your stored EDO settings will **override** any DMX commands until the emergency contact is opened.

If you have programmed Post EDO, all circuits will go to that scenario when the emergency contact is opened.

With no Post EDO program all breakers default to off and will require another **DMX Control Power** command to activate.

You have the option to program the Post EDO condition to reset the breakers to a different condition when the EDO contacts are reopened.

How to program Post EDO

K. With power off, move jumpers to reset the **DMX Starting Address** to 599.

Return to step D. to program Post EDO.
## DMX PROTOCOL for LynTec LCRP series

<table>
<thead>
<tr>
<th>Code Range (8 bit)</th>
<th>%</th>
<th>Circuit Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-63</td>
<td>0-24</td>
<td>Turns breaker off. When applied to all relays simultaneously, they turn OFF at a .25 second step rate.</td>
</tr>
<tr>
<td>64-191</td>
<td>25-74</td>
<td>No change</td>
</tr>
<tr>
<td>192-255</td>
<td>75-100</td>
<td>Turns breaker on. When applied to all relays simultaneously, they turn ON at a .25 second step rate.</td>
</tr>
</tbody>
</table>
**LynTec — AVAILABLE MODELS — LynTec**

Panel electrical specifications and configurations — Outline dimensions

See LynTec.com for **model specific** Design or Submittal PDFs.

---

**LOAD CENTERS**

**LCLC 326-xx-Mxxx Lighting Control Load Center**
- 30, 208Y/120 Vac, 4 wire. — 100 Amp Main Breaker Standard

**LCLC 326-10-Mxxx**
- (Up to 10 DMX controlled circuits)

**LCLC 326-20-Mxxx**
- (Up to 20 DMX controlled circuits)

**LCLC 326-30-Mxxx**
- (Up to 30 DMX controlled circuits)

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

Standard back-fed Main Breaker: Squared D# QO3100VH, 100A, [Amps Interrupt Rating]

Back-fed Main Breaker options

Part# suffix — **Bold face**=Amps -M3030, -M3035 (10kAIR)

Square D# QO327xx
- M3030, -M3060, -M3070 or -M3090

Squared D# QO3xxxVH (all VH = 22k AIR)

D# QO3xxVH/K (all VH = 22k AIR)

Outside dimensions: 20.9" w., 29.8" h., 3.9" d.

---

**LCLC 341-xx-Mxxx Lighting Control Load Center**
- 30, 208Y/120 Vac, 4 wire. — 225 Amp Main Breaker Standard

**LCLC 341-10-Mxxx**
- (Up to 10 DMX controlled circuits)

**LCLC 341-20-Mxxx**
- (Up to 20 DMX controlled circuits)

**LCLC 341-30-Mxxx**
- (Up to 30 DMX controlled circuits)

**LCLC 341-40-Mxxx**
- (Up to 40 DMX controlled circuits)

Square D QO342MQ225 Load Center with LynTec low-voltage sidecar.

Standard Main Breaker:

Square D# QDL32225. 225 Amp

Main Breaker options

Part# suffix — **Bold face**=Amps -M3150, -M3175 or -M3200

Square D# QDL32xxx series (all 25k AIR) [Amps Interrupt Rating]

LCLCH option for 65k AIR Main Breaker

Square D# QDL32xxx series

Outside dimensions: 20.9" w., 39.3" h., 3.9" d.

---

**PANELBOARDS**

**LCP 341-xx-Mxxx Lighting Control Panelboard**
- 30, 208Y/120 Vac, 4 wire. — 225 Amp Main Breaker Standard

**LCP 341-10-Mxxx**
- (Up to 10 DMX controlled circuits)

**LCP 341-20-Mxxx**
- (Up to 20 DMX controlled circuits)

**LCP 341-30-Mxxx**
- (Up to 30 DMX controlled circuits)

**LCP 341-50-Mxxx**
- (Up to 41 DMX controlled circuits - limited by 42 circuit code rule)

Square D NQOD-NL MB Panel with LynTec low-voltage sidecar.

Standard LCP-225A Main Breaker: 225 Amp. - 65k AIR - MJG36225

Square D MJG36xxx or MJH36xxx series (all 65k AIR) [Amps Interrupt Rating]

Main Breaker options

Part# suffix — **Bold face**=Amps -MHG12125, -MGG1515, -MGG1785 or -MGJ1200

Wire Sizes

Main Breaker: 3/0 - 350 kcmil Al/Cu

200% Neutral has one feed lug that accepts 2 - 250 kcmil Cu wires

Outside dimensions: 28.06" w., 50 h., 6.13" d.

Knockout panels supplied in both ends

---

**LCP 341-xx-M400 Lighting Control Panelboard**
- 30, 208Y/120 Vac, 4 wire. — 400 Amp Main Breaker Standard

**LCP 341-10-M400**
- (Up to 10 DMX controlled circuits)

**LCP 341-20-M400**
- (Up to 20 DMX controlled circuits)

**LCP 341-30-M400**
- (Up to 30 DMX controlled circuits)

**LCP 341-50-M400**
- (Up to 41 DMX controlled circuits - limited by 42 circuit code rule)

Square D NQOD MB Panel with LynTec low-voltage sidecar.

Standard LCP 400A Main Breaker: 400 Amp. - 10k AIR - LA36400 [Amps Interrupt Rating]

Wire Sizes

Main Breaker: 1 #1- 600 kcmil Al or #2 - #1-250 kcmil Cu (per NEC)

100% Neutral has one feed lug that accepts one #1-750 kcmil or two #1-300 kcmil Cu wires.

Outside dimensions: 28.06" w., 68.2" h., 6.13" d.

Knockout panels supplied in both ends
Specifier's Guide for LynTec Lighting Control Panels

Load Center and Panelboard part number explanation

**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
  - Main breaker
  - Main Lug Only options
  - SEE BELOW

**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-10 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.

---

**Lighting Control Load Centers**

**LCLCH 341-**

- **30** -2U -MQD3200

**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 — call for price and delivery:
- **-MHG3125** (36 kVA transformer)
- **-MJG3150** (45 kVA)
- **-MJG3175** (50 kVA)
- **-MJG3200** (60 kVA)

**-MLO (Main Lug Only) is an option.**

**225 A Panelboard**

The standard LCP 341-xx has a JGP3225, 3 pole, 225 Amp main breaker (65 kVA). 65k AIR [Amps Interrupt Rating].

Optional main breakers — All 65kAIR:
- **125A** —-MHG3225 (36 kVA transformer)
- **150A** —-MJG3150 (45 kVA)
- **175A** —-MJG3175 (50 kVA)
- **200A** —-MJG3200 (60 kVA)

**-MLO (Main Lug Only) is an option.**

---

**Please include Branch Breakers to complete your specification.**

---

**Load Center Main Breaker Options**

**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)**

---

**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

Field installed, UL & CSA listed, motorized circuit breakers are required to complete the Lighting Control 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
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.
Instruction Bulletin

QO-PL (Plug-on), QOB-PL (Bolt-on) Powerlink® Remotely Operated Circuit Breakers
(Use in Type QO Load Centers and Type NQO, NQOB, and NQOD Panelboards)
Retain for future use.

REQUIREMENTS

Remotely Operated Circuit Requirements

POWERLINK® QO(B)-PL Remotely Operated Circuit Breakers require a power supply capable of delivering at least two amperes at 24 Vdc for a minimum of 50 milliseconds. One-, two-, and three-pole circuit breakers all have one internal motor, and power requirements are the same regardless of the number of poles and ampere ratings.

The required power supply ampacity and control device contact rating are determined by the number of circuit breakers to be switched simultaneously (i.e., four circuit breakers switched simultaneously require a power supply and a control device contact rated 8 amperes minimum). The control device may be either a normally-open (NO)/normally-closed (NC) contact; a single-pole, double-throw switch (SPDT); or other three-wire control device.

1. Turn off all power supplying this equipment before working on or inside equipment.
2. Before installing circuit breaker turn circuit breaker handle to OFF position.
3. Remove panelboard cover and deadfront. Verify power is off with voltage meter before proceeding.

Installation of circuit breaker into panelboard/load center (refer to figure below)

4. Except for remotely operated connections, QO(B)-PL remotely operated circuit breakers are installed in a panelboard/load center the same as conventional QO(B) circuit breakers.

Connection of remotely operated circuit (refer to the figure on next page)

5. Assure that power supply and control device meet requirements listed under "Remotely Operated Circuit Requirements."

DANGER

HAZARD OF ELECTRIC SHOCK, BURN, OR EXPLOSION.

When servicing a branch circuit fed by a remotely operated circuit breaker, move handle of remotely operated circuit breaker to OFF position. Do not rely on remote operation to open circuit breaker.

Failure to follow these instructions will result in personal injury or death.

CIRCUIT BREAKER INSTALLATION

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

• Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
• This equipment must be installed and serviced only by qualified electrical personnel.
• Turn off all power supplying this equipment before working on or inside equipment.
• Always use a properly rated voltage sensing device to confirm power is off.
• Replace all devices, doors, and covers before turning on power to this equipment.

Failure to follow these instructions will result in death, or serious injury.

See page 2 for LynTec part number explanation

All LynTec supplied breakers have special 60” control wires. (Square D standards are 18”).


CIRCUIT BREAKER INSTALLATION

HAZARD OF CIRCUIT BREAKER DAMAGE.

Connect the 24 Vdc remote control wiring as shown on this page.

Failure to follow these instructions can permanently damage the remotely operated circuit breaker.

**BMB-220 = 20 Amp. Square D QOB-220PL-5393**

**BMB-220 = 20 Amp. Square D QOB-220PL-5393**

**BMB-330 = 20 Amp. Square D QOB-330PL-5393**

LynTec also stocks part numbers

**UMB**

May be used in **LCLC, LCP, MSP, SLC or SP** series panels.

**UMB**

All BMB & MB series breakers have Square D part number suffix of -5393 indicating a special 60 inch lead length for remote control wires required to connect to LynTec control boards in low voltage cabinet.

**= Stocked items**

**MB-15 = 15 Amp. Square D QO-115PL-5393**

**MB-15 = 15 Amp. Square D QOB-115PL-5393**

**MB-20 = 20 Amp. Square D QO-120PL-5393**

**MB-20 = 20 Amp. Square D QOB-120PL-5393**

**MB-30 = 30 Amp. Square D QO-130PL-5393**

**MB-30 = 30 Amp. Square D QOB-130PL-5393**

Two pole motorized - call for pricing & delivery

**MB-215 = 15 Amp. Square D QO-215PL-5393**

**MB-215 = 15 Amp. Square D QOB-215PL-5393**

**MB-230 = 30 Amp. Square D QO-230PL-5393**

**MB-230 = 30 Amp. Square D QOB-230PL-5393**

40A, 50A or 60A, Two pole also available on Special Order

Three pole motorized - call for pricing & delivery

**MB-315 = 15 Amp. Square D QO-315PL-5393**

**MB-315 = 15 Amp. Square D QOB-315PL-5393**

**MB-320 = 20 Amp. Square D QO-320PL-5393**

**MB-320 = 20 Amp. Square D QOB-320PL-5393**

**MB-330 = 30 Amp. Square D QO-330PL-5393**

**MB-330 = 30 Amp. Square D QOB-330PL-5393**

LynTec also stocks **UMB & BUMB** un-motorized QO series circuit breakers including **HM** (High Magnetic). Recommended for eliminating nuisance trips in high inrush applications. [All BMB & MB x15’s and BMB & MB x20’s are HM breakers.]

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LynTec overprint 139-0216-08.2 9/23/06

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Square D Company

1-888-722-4157

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6. All wiring and splicing must comply with applicable code requirements for Class 1 circuits. Refer to paragraph 373-8 and article 725 of the National Electrical Code.

7. Three #18 AWG control wires are attached to the remotely operated circuit breaker for connection to the power supply and remote control device and should be cut to the required length to reach the splice connections. Use #18 AWG or larger conductors with 600 V insulation and approved wire connectors for splices.

8. Connect the black lead of the remotely operated circuit breaker to the negative (-) terminal of the 24 Vdc power supply. Connect the red lead of the remotely operated circuit breaker to the positive (+) terminal of the 24 Vdc power supply. Connect the white lead of the remote control device. The remote control device provides connections between either positive or negative potential of the power supply and the white wire of the remotely operated circuit breaker, as appropriate.

9. Applying the positive potential of the power supply to the white wire (contact closure between the red wire and white wire) will operate the remote mechanism of the circuit breaker to the OFF position. Applying the negative potential of the power supply to the white wire (contact closure between the black wire and the white wire) will operate the remote mechanism of the circuit breaker to the ON position. A control circuit utilizing a normally open (NO)/normally closed (NC) contact is illustrated below.

NOTE: The remote mechanism will not move the circuit breaker handle. Also, the remote mechanism cannot turn power ON when the circuit breaker is tripped (VISI-TRIP® flag indicator showing) or when the circuit breaker handle is in the OFF position.

Installation of the trim and operational checks

10. Remove corresponding twist-out from panelboard trim and replace trim.

11. Turn power to panelboard on.

12. Turn remotely operated circuit breaker handle to the ON position.

13. Turn power to the remotely operated circuit on and test this circuit, turning remotely operated circuit breaker off remotely, then on remotely. If power to remote controlled circuit breaker load does not switch off and on, turn off remote power to remotely operated circuit and panelboard and check wiring.

NOTE: A power supply is available from Square D Company, Cat. No. QOPLPS (plug-on) or QOBPLPS (bolt-on).

Splice not normally required with LynTec supplied breakers with 60” leads.

In LynTec Sequencer or DMX controller

Remote Operated Circuit Breaker

ON

Black

NO

White

Red

NC

Panelboard/Load Center

Splice Connection

24 Vdc Power Supply

OFF

National Electrical Code.

Class 1 circuits. Refer to paragraph 373-8 and article 725 of the National Electrical Code.
This page contains UL Tested and Certified series combination ratings for panelboards. These ratings apply to either an integral main located in the same enclosure or a remote main located in a separate enclosure.

### NQOD Series Ratings

<table>
<thead>
<tr>
<th>Type</th>
<th>Main Type</th>
<th>Branch Type</th>
<th>Allowable Ampere Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-pole</td>
<td>2-pole</td>
<td>3-pole</td>
<td></td>
</tr>
</tbody>
</table>

### NF Series Ratings

<table>
<thead>
<tr>
<th>Type</th>
<th>Main Type</th>
<th>Branch Type</th>
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</table>

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**Table Notes:**
- **NQOD Series Ratings:**
  - Models rated 22k AIR.
  - LynTec models rated 22k.
  - Series Ratings same enclosure or a remote main located in a separate enclosure.
- **NF Series Ratings:**
  - Series Ratings for panelboards.
  - LynTec models rated 22k.
  - UL Tested and Certified series combination ratings for panelboards.
  - These ratings apply to either an integral main located in the same enclosure or a remote main located in a separate enclosure.