

# Specifier's Guide for LynTec Modular Sequencing Panels

## Load Center and Panelboard part number explanation

Blue type items only available for Panelboards.

Optional field installed branch circuit breaker numbers

### Panelboards

**MSP 341**

3 = 3 phase  
208/120v, 4 wire  
or  
1 = 1 phase  
120/240v, 3 wire

Single Phase  
Panelboards are  
Special Order,  
NCNR.

Number of  
available  
circuit  
breaker  
spaces

41  
38 ♦

### Load Centers

**MSLC 326**

1 = 1 phase  
120/240v, 3 wire  
or  
3 = 3 phase  
208/120v, 4 wire

127 ♦  
129 ♦  
326  
338 ♦

Number of  
available  
circuit  
breaker  
spaces

### Load Center Main Breaker Options

#### Single Phase Load Center

The standard Single Phase MSLC 129-xx has a factory installed, two pole, ♦ 200 Amp main breaker. [22kAIR] (AIR = Amps Interrupt Rating)

Optional main breakers [All 22kAIR]

125A .... -M1125

150A .... -M1150 (25 kVA transformer)

175A .... -M1175.

♦ Smaller main sizes are also available by replacing the large block type main breaker with a bracket-retained, clip-on, back-fed, 2 pole, main breaker.

[All 10kAIR Amps Interrupt Rating]

30A ..... -M1030 (5 kVA transformer)

40A ..... -M1040 (7.5 kVA)

60A ..... -M1060 (10 kVA)

80A ..... -M1080 (15 kVA)

♦ Note This modification reduces the number of available branch breaker spaces from 29 to 27, hence a MSLC 129-xx becomes a MSLC 127-xx.

-36 21/BMB-20 8/BMB-30 5/BUMB-20 -MJG3150

12  
24  
36  
48

60  
panelboard only

Sequencer  
capacity—  
will drive  
up to this  
number of  
motorized  
breakers

**BMB**  
Bolt-on  
Motorized  
breakers

or  
**MB**  
Clip-on  
Motorized  
breakers

Quantity of  
lowest current  
sequenced  
circuit breakers

15  
20  
30  
Current  
rating

**BMB**  
Bolt-on  
Motorized  
breakers

or  
**MB**  
Clip-on  
Motorized  
breakers

Quantity of  
higher current  
sequenced  
circuit breakers

20  
30  
Current rating

**BUMB** = Bolt-on  
or  
**UMB** = Clip-on

Quantity of  
single pole  
Un-Motorized  
circuit breakers

10  
15  
20  
30  
Current  
rating

-Main breaker  
&  
-Main Lug Only  
options  
SEE BELOW

#### Load Center — Panelboard

##### What's the difference?

Panelboards are the electrician's choice because they have over 250% more wiring space. Panelboards are used when bolt-on breakers, 200% neutrals or high circuit counts with heavy isolated technical ground wires are required.

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

#### Factory options — add suffix to part number

-CR-x: Completion Relay option.

Provides SPDT (form C) relay contact that changes state at the completion of any field selectable step.

Add -CR-x for each board requiring CR option at time of manufacture. -x is the board position where CR option is desired. Example: MSP 341-36 28/20 4/30 9/UMB20 M150 -CR-3 would have the CR relay in the 3rd board from the top.

#### Front-end remote control

Several options are now available for the remote control of ac for the F.O.H, mix position, booth or control room.

See <http://www.lyntec.com/boothoptions.pdf>

#### Small 3 Phase Load Center

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

In some instances a smaller isolation transformer feeding the panel requires the use of a smaller main breaker.

See ♦ below for optional main breaker sizes available.

#### Large 3 Phase Load Center

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

Optional main breakers [All 25kAIR]

125A ..... -MQD3125 (36 kVA transformer)

150A ..... -MQD3150 (45 kVA)

175A ..... -MQD3175 (50 kVA)

200A ..... -MQD3200 (60 kVA)

♦ Smaller main sizes are also available by replacing the large block type main breaker with a bracket-retained, clip-on, back-fed, 3 pole, main breaker.

♦ 30A & 35A: 10kAIR

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

♦ 30A ..... -M3030 (7.5 kVA transformer)

♦ 35A ..... -M3035 (10 kVA)

♦ 50A ..... -M3050 (15 kVA)

♦ 70A ..... -M3070 (20 kVA)

♦ 90A ..... -M3090 (25 kVA)

♦ 100A ..... -M3100 (30 kVA)

**Note** This modification reduces the number of available branch breaker spaces from 41 to 38, hence a

MSLC 341-xx becomes a MSLC 338-xx.

-MLO (Main Lug Only) option:

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

#### Panelboard Main Breaker Options

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

Optional main breakers [All 25kAIR]

125A ..... -MHG3125 (36 kVA transformer)

150A ..... -MJG3150 (45 kVA)

175A ..... -MJG3175 (50 kVA)

200A ..... -MJG3200 (60 kVA)

♦ Smaller main sizes are also available by replacing large main breaker with a 3 pole, bolt-on, back-fed breaker.

♦ 30A ..... -BM3030 (7.5 kVA transformer)

♦ 35A ..... -BM3035 (10 kVA)

♦ 50A ..... -BM3050 (15 kVA)

♦ 70A ..... -BM3070 (20 kVA)

♦ 90A ..... -BM3090 (25 kVA)

♦ 100A ..... -BM3100 (30 kVA)

♦ 30A & 35A: 10kAIR

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

**Note** This modification reduces the number of available branch breaker spaces from 41 to 38, hence a MSP 341-xx becomes a MSP 338-xx.

-MLO (Main Lug Only) is an option.

#### Single Phase Panelboard

The special order MSP 141 or MSPH 141 have the following main breaker options:

MSP 141 -MQD2xxx series — 25k AIR  
MSPH 141 -MQG2xxx series — 65k AIR

Ratings available: 70A, 80A, 90A, 100A, 125A, 150A, 175A, 200A or 225A.