

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.

41
38 ♦
Number of
available
circuit
breaker
spaces

-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

BMB
Bolt-on
Motorized
breakers

or
MB
Clip-on
Motorized
breakers

BUMB = Bolt-on
or
UMB = Clip-on

Quantity of
single pole
Un-Motorized
circuit breakers

20
30
Current rating

10
15
20
30
Current
rating

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

Load Centers

MSLC 326

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

127 ♦
129 ♦
326
338 ♦
341
Number of
available
circuit
breaker
spaces

Quantity of
lowest current
sequenced
circuit breakers

15
20
30
Current
rating

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>

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.

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)

Feed thru lugs are **NOT** available on 3Ø NL (Non-Linear) panelboards with 200% neutrals.

♦ 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.