



MCS-MAGNUM-MLB-12

INDUSTRIAL CONTROL PANEL



Part # MCS-MAGNUM-MLB-12*

Description

The **MCS-MAGNUM-MLB-12 Industrial Control Panel** is made of powder coated aluminum for durability and longevity. A left hand swing door is mounted with three seven-inch hinges for strength. A key lock is provided for security on the door while still giving easy access of the display and keypad.

Critical safety components manufactured by MCS and installed in this panel are UL Recognized Components under UL File #169780 and are also ROHS compliant.

The MCS-MAGNUM-MLB-12 comes standard equipped with a Magnum micro controller board, a MCS-SI-BASE, Keypad/LCD, and a 20A circuit breaker.

Power is supplied using a MCS-12V power supply.

Panel includes the following; Red Alarm Indicator, Yellow Warning Indicator, Emergency Stop Switch and 3 Position Run/Stop Selector Switch.

There is also an electrical outlet for laptop plug-in power at the panel.

This panel is intended for use in an environment protected from the weather.

SHIELDWIRE-GROUNDING multi-terminal connectors are included to eliminate stray electrical current, thereby helping to reduce line noise from the sensors to the controller.

Specifications

Certification.....UL508A - E511647

NEMA Rating – Type 1 Control Panel

Industrial Control Panel

Dimensions.....23.5" w x 32.65" h x 8" d
Mounting Holes.....Mounts with four pre drilled
15/32" holes

Rated Voltage (Standard).....120VAC or 230VAC

'Phase / Frequency.....1 Phase / 60Hz

Full Load Current(approx).....40A at 120VAC or 20A at 240VAC

Short Circuit Current Rating10kA

TEMPERATURE RANGE Control Panel/Keypad/LCD

Operating Temp. of panel.....-4°F to +158°F (-20°C to + 70°C)

Operating Humidity.....0-95% Non-Condensing

Storage Temp.-22°F to +185°F (-30°C to + 85°C)

MCS-MAGNUM Controller

MicroprocessorZilog eZ80 Acclaim! @ 50mhz

Sensor Inputs (SI).....12 inputs 0-5vdc (10-bit A/D)

Digital Inputs.....4 inputs 0 or 5vdc only

Relay Outputs (RO).....10 outputs 6.3amps @ 230vac

Analog Outputs (AO).....4 outputs 0-10vdc

Printed Circuit BoardSix layer with separate power
and ground planes

Input Power (Standard).....12 vdc Regulated Power Supply

Minimum (Brown in)9.44 vdc

Amp Draw (Loaded)857.0 mA

MCS-I/O Comm Port1 @ 38,400 baud

RS-485 Comm Port1 @ 19,200 baud

Ethernet.....10/100 Mbps Ethernet

Real Time ClockBattery backup

Power DetectionAutomatic power fail rese

MCS-SI-BASE Expansion Board

Sensor Inputs (SI).....16 inputs 0-5VDC (10-bit A/D)

Analog Outputs (AO).....4 outputs 0-10VDC

MCS-I/O Comm Port1 @ 38,400 baud

KEYPAD / LCD

Display.....128 x 64 dot pixel STN
monochrome graphics LCD
with 2.8" diagonal viewing area

Color.....White characters on a blue
background (Reversible)

Keypad Size7.25" w x 8.50" h (6 mounting studs)

Keypad Layout.....9 keys (3 function keys)

Connection6 conductor shielded cable

RS-485 Comm Port1 @ 19,200 baud

Packaging

Weight60 lbs(approx)

Box24" x 10" x 30"

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