



MCS-MAGNUM-LB-15.4-12

INDUSTRIAL CONTROL PANEL



Part # **MCS-MAGNUMLB-15.4-12***

Specifications

Certification..... **UL508A - E511647**

NEMA Rating – Type 1 Control Panel - IP20 Rating

Enclosure is intended for indoor use primarily to provide a degree of protection against contact with the enclosed equipment and is not protected from liquids.

Industrial Control Panel

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 Rating . 10kA
 Dimensions of control panel . 27" w x 34.75" h x 8.0" d
 Mounting Holes..... Mounts with four pre-drilled 15/32" holes

Temp. Range for Control Panel & Touch Screen

Operating Temperature..... -4°F to 158°F (-20°C to 70°C)
 Operating Humidity..... 0-95% Non-Condensing
 Storage Temperature..... -4°F to 158°F (-20°C to 70°C)

MCS-MAGNUM Specification

Microprocessor Zilog 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 Board Six 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
 RS-485 Comm Port 1 @ 19,200 baud
 Ethernet..... 10/100 Mbps Ethernet
 Real Time Clock Battery backup
 Power Detection Automatic power fail reset

MCS-SI-BASE Expansion Board

Sensor Inputs (SI)..... 16 inputs 0-5vdc
 Analog Outputs (AO) 4 outputs 0-10vdc
 MCS-I/O Comm Port 1 @ 38,400 baud

Touch Screen 15.4 - Specification

Dimensions..... 17" L x 12.11" W x 3.228" H
 NEMA 4 rating
 LCD Screen..... 15.4" (16:10 Diagonal)
 16.2 Million Colors
 1280x800 Resolution
 Power Input 12Vdc 2 amps
 Motherboard.-Rev 4.0 Freescale i.MX6 Dual Core 800mhz
 2Gb of 512mhz DDR3 RAM Mem.
 16Gb of eMMC Flash memory
 1Gb Ethernet (100Mb/10Mb comp.)
 1 Micro-SD Slots;
 1 USB On-The-Go (OTG)
 2 USB Host 2.0; Real Time Clock
 3 RS485 communication ports
 (max. baud rate 115k)

Crossover Cable (orange) can be used for connecting MCS Touchscreen direct to MCS-MAGNUM or to a Laptop

Packaging

Weight 90 lbs(approx)
 Box 29" x 10" x 37"

5580 Enterprise Pkwy., Fort Myers, FL 33905

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