

MCS-MAGNUM-SB-12 INDUSTRIAL CONTROL PANEL



Part # MCS-MAGNUM-SB-12

Description

The **MCS-MAGNUM-SB-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-SB-12 comes standard equipped with a Magnum micro controller board, Keypad/LCD, a 20 amp and a 5 amp circuit breakers. There is also a electrical outlet for laptop plug-in power at the panel.

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

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

Options are available for all MCS-MAGNUM Control Panels with Keypads or Touch Screens. These options are factory installed by MCS at time of purchase. Visit our website for options available.

Options

MCS-RS-485-EXTENDER Cable for extending RS-485 port to front of control panel.



-232 This adds RS-232 port on Keypad MCS-RS-232-EXTENDER Cable for extending RS-232 port to front of control panel (only available with -232 Keypad option)

Specifications

Industrial Control Panel*

CertificationUL508A		
<u>NEMA Rating – Type 2; IP 30</u>		
Enclosure Dimensions	.18.2"w x 24.75"h x 8"d	
	462.28 W x 628.65 H x 203.2 D mm	
Mounting Holes Rated Voltage (Standard) Phase / Frequency		
Full Load Current(approx) Short Circuit Current Rating .	.40A at 120VAC or 20A at 240VAC	
TEMPERATURE RANGE Control Panel/Keypad/LCD		
Operating Humidity Storage Temp	22°F to +185°F (-30°C to + 85°C)	
MCS-MAGNUM Controller		
Sensor Inputs (SI) Digital Inputs Relay Outputs (RO) Analog Outputs (AO)	.10 outputs 6.3amps @ 230vac	
Printed Circuit Board	and ground planes	
Input Power (Standard) Minimum (Brown in) Amp Draw (Loaded)		
MCS-I/O Comm Port		
RS-485 Comm Port		
Ethernet		
Real Time Clock		
Power Detection		
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)	
	.7.25"w x 8.50"h (6 mounting studs)	
Keypad Layout	.9 keys (3 function keys)	
Connection	.6 conductor shielded cable	

Packaging

Weight	40 lbs(approx)
Box	24" X 30" x 10"

RS-485 Comm Port1 @ 19,200 baud

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* Photo shown is an example of an Industrial Control Panel; some optional equipment may be shown.