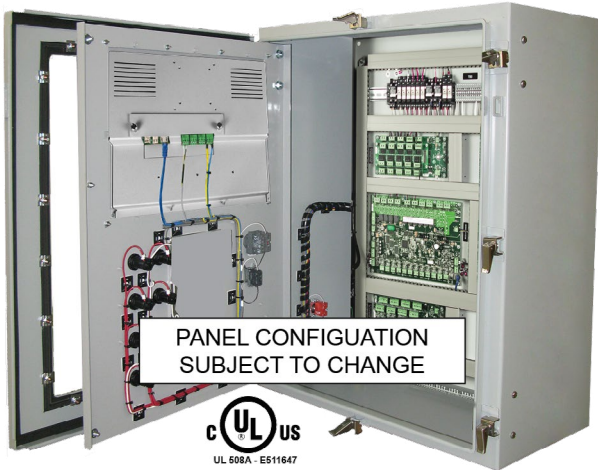




MCS-CENTRIFUGAL-NEMA4-12 INDUSTRIAL CONTROL PANEL



PANEL CONFIGURATION
SUBJECT TO CHANGE



Part # MCS-CENTRIFUGAL-NEMA4-12*

Description

The **MCS-CENTRIFUGAL-NEMA4-12 Industrial Control Panel** is made of powder coated aluminum for durability and longevity. A left hand swing door is mounted with three eight-inch hinges for strength. A 36"H x 30"W x 12"D NEMA 4 powered coated gray window kit is mounted which provides a degree of protection against falling rain, splashing water and hose directed water, undamaged by formation of ice on the panel.

A key lock is provided for security on the door while still giving easy access of the display.

The industrial control panel consists of a MCS-MAGNUM-N-12, MCS-TOUCH 15.4" touchscreen, MCS-SI-BASE(2) with MCS-SI-EXT(1), MCS-RO-BASE(1) with MCS-RO-EXT(1) expansion boards.

The Control Panel is supplied with a 12V and 24V power supplies.

The **MCS-TOUCH-15.4** capacitive touchscreen interface designed to simplify user access with the MCS-Magnum and MicroMag utilizing MCS-Connect to provide both graphics and service mode access to technicians. Input method: Finger, Stylus or **Glove.

Highly accurate and does not require calibration - easy to clean glass surface. Works outdoors, bright screen, water resistant, exceptional Optics - 1280x800 resolution, sharp and vibrant images.

Control panel includes the following; 20A, 16A and a 5A Single-Pole Circuit Breaker. A 5 port 10/100/1000 Mbps Ethernet Workgroup Switch Industrial rated, Red Alarm Indicator, Yellow Warning Indicator, Emergency Stop Switch with guard and 3 Position Run/Stop Selector Switch.

There is also an electrical outlet for laptop plug-in power at the panel. 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 4 Control Panel

Industrial Control Panel

Dimensions of control panel . 36"H x 30"W x 12"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 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/EXT Expansion Boards

Sensor Inputs (SI)..... 48 inputs 0-5vdc (2 Base/1Ext)

Analog Outputs (AO) 12 outputs 0-10vdc

MCS-I/O Comm Port 1 @ 38,400 baud

MCS-RO-BASE/EXT Expansion Boards

Relay Outputs (RO)..... 20 outputs 6.3amps @ 230vac

MCS-I/O Comm Port 1 @ 38,400 baud

MCS-TOUCH-15.4 - Capacitive Touchscreen

Dimensions..... 17"L x 12.11"W x 3.228"H

LCD Screen 15.4" (16:10 Diagonal)

Gasket..... BISCO HT-820-Firm Cellular Silicone

16.2 Million Colors

1280x800 Resolution

Soft Touch Capacitive Stylus pen

Power Input 12Vdc 2 amps

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

Office: 239-694-0089 • Fax: 239-694-0031 www.mcscontrols.com

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

** The glove needs to have a conductive fabric or material to work with cap touchscreens.