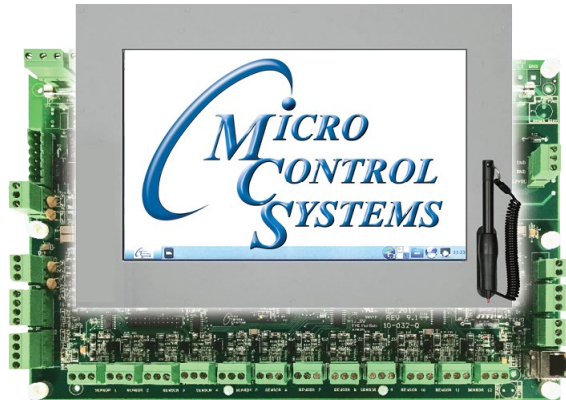




MCS-MAGNUM-15.4-12

Description & Specifications



Part # **MCS-MAGNUM-15.4-12**

Description

The **MCS-MAGNUM-15.4-12** consists of a MCS-MAGNUM controller along with a Touchscreen 15.4 in display.

The **MCS-TOUCH-15.4-12** is a new touchscreen interface designed to simplify user access with the **MCS-MAGNUM-N** utilizing **MCS-CONNECT** to provide both graphics and service mode access to technicians. Information and graphics on the TOUCH-15.4 are shown on a 15.4" high resolution (1280x800) LCD display with LED backlighting, which will guarantee long-life operation.

The **MCS-TOUCH-15.4-12** can connect up to 60 MCS controllers and supports RS485 or Ethernet networking.

The MCS-TOUCH-15.4-12 makes it easy for the user to manage more complex installation diagrams, without losing the overall view of the installation, as well as ensuring that the pages can be browsed in a fast and straight forward manner.

The MCS-MAGNUM-N is a durable microprocessor based controller designed for the hostile environments in the HVAC/R industry. It is designed to be the primary manager of the package it is controlling. The Magnum provides flexibility with setpoints and control options that can be selected prior to commissioning a system or when the unit is live and functioning. Displays, alarms and other interfaces are accomplished in a clear and simple language that informs the user as to the status of the controller.

The MCS-MAGNUM-N is a UL Recognized Component under UL File #169780 and also ROHS compliant.

Complementing the Magnum micro controller are a variety of MCS expansion boards.

Packaging

Ship Weight 8.73 lb (approx)
Box Dimensions..... 16" x 12.5" x 8" (approx)

Specifications

MCS-Magnaum Controller

Dimensions.....	12.0"w, 8.0"h, 2.0"d
Mounting Holes	Mounts on a backplane utilizing 8 through-hole studs
Operating Temperature	-40°F to +158°F (-40°C to +70°C)
Operating Humidity	0-95% Non-Condensing
Storage Temperature	-40°F to +158°F (-40°C to +70°C)
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)	+12vdc power in board from 95-265vac switching power supply 77°F (25°C) ambient, 20VA max
MCS-I/O Comm Port	1 @ 38,400 baud
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-Touch 15.4

Dimensions	17"L x 12.11"W x 2"H
LCD Screen.....	15.4" (16:10 Diagonal) 1280 x 800 Resolution 5-Wire resistive touch w/Stylus pen
Gasket.....	HT800 Cellular Silicone NEMA 4 IP66 rated
Surface Treatment.....	Glare/Anti-Reflection ≤1.5%
Operating Temperature	-22°F to 176°F (-30°C to +80°C)
Operating Humidity	90 %RH (Non Condensing)
Storage Temperature	-22°F to 176°F (-30°C to +80°C)
Motherboard-Rev 4.0	Freescale i.MX6 Dual Core 800mhz 2Gb of 512mhz DDR3 RAM memory 16Gb of eMMC Flash memory 10m/100m/1G Ethernet 1 Micro-SD Slots 2 USB Host 2.0 Real Time Clock (RTC) w/ Battery 3 RS485 communication ports

Parts Included

- **90W 12VDC Power Supply**
Input Voltage: 88 VAC to 264 VAC
Output Voltage: 12 VDC @ 7.5Amps
Input Current: 3 A / 115 AC - 1.6 A / 230AC
Output Rated Current: 7.5 A
Size: 2.76" x 3.54" x 2.14 (W*H*D) (70*90*54.5mm)
- **7ft CAT 5e Crossover Patch Cord, Orange**
- **Kit of (8) #6 x 1" Phillips Panhead Zinc Plated Steel Screws**

