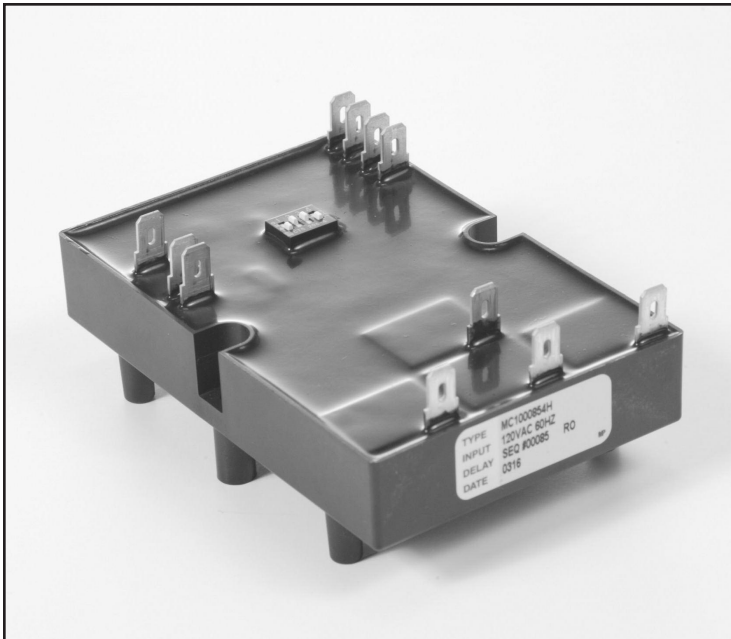


Timing Mode: **DIGITAL CMOS**  
Category: **MICROCONTROLLER**  
Series: **MC WITH RELAY OUTPUT**

## **MICROPROCESSOR, 60 AMP APPLICATIONS**



### **MC Series**


The MC Series is a range of microprocessor-based modules which can be used for sophisticated control applications.

They are designed to handle complex functions, making them an economic substitute for Programmable Logic Controls (PLC).

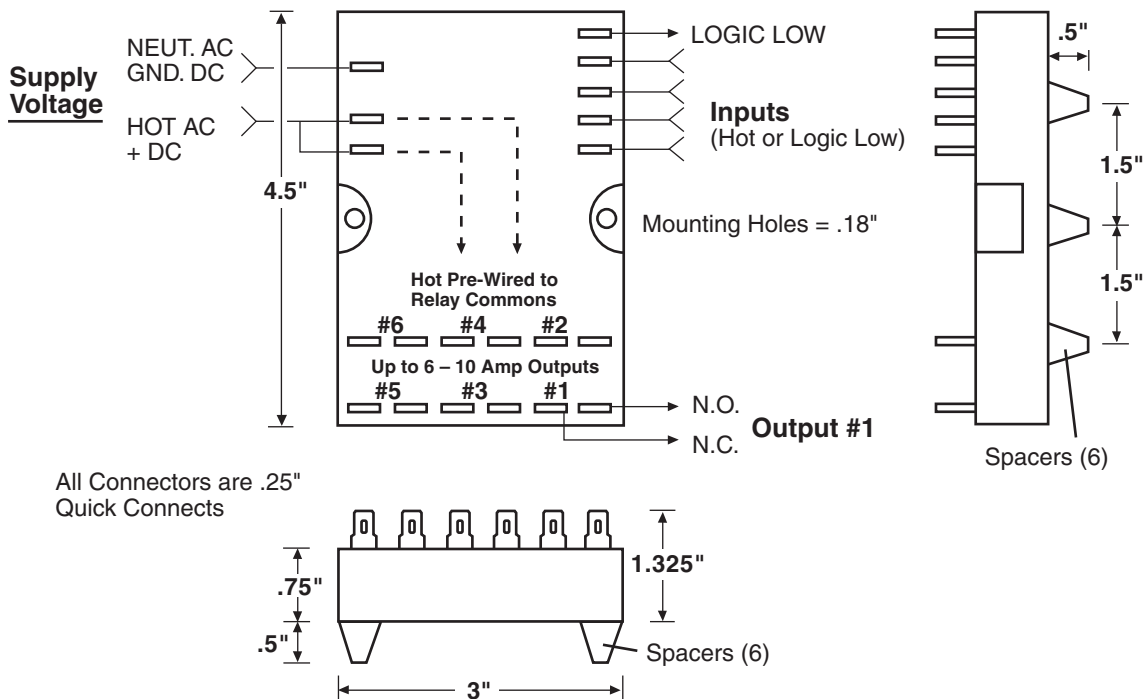
They are pre-programmed at the factory for the customer's particular application and can have up to six inputs and multiple outputs up to 60 amps.

In addition to PLC applications, the MC may be used for cam timers, coin counters/accumulators, door/gate controls or where multiple timers are required.

### **FEATURES**

- **Multiple inputs and outputs**
- **Examples of outputs totaling up to 60 amps:**
  - Six 10-amp relays or**
  - Two 10-amp and two 20-amp 1.5 H.P. relays**
- **FLASH memory option and power down data retention**
- **Built-in test terminals for verification of long time periods**
- **Available in standard voltage inputs**
- **Pre-programmed at the factory**
- **No limit to duration of long time periods**
- **Crystal generated time base**
- **±0.5% Timing accuracy**
- **Analog inputs**
- **Totally encapsulated for protection from harsh environments**
- **Less labor to wire than multiple timers**
- **Low system-level cost**
- **No external output devices needed**
- **No heat sinking required**
- **Increased system reliability**
- **Tracking function**
- ** RoHS compliance available**

## BASIC WIRING AND DIMENSIONS



## SPECIFICATIONS

**Input Voltage:** ±10%

VDC: 12 or 24

VAC: 24, 120, 230, 50/60Hz

Special voltages available

**Time Mode:**

Type: Digital CMOS – Programmable

Time Range: Unlimited

**Repeatability:** ±0.1%

**Setting Accuracy:**

±0.5% of full scale or 50 milliseconds, whichever is greater

**Reset Time:** 2 seconds

**Relay Life Expectancy:**

Mechanical: Up to 10 million operations

Electrical: 100,000 operations at max. load

**Protection:**

Transient Protection: 45 joules (120 VAC)

75 joules (230 VAC)

**Temperature Ranges:**

Storage: -40°C to +85°C

Operating: -25°C to +65°C

## OPTIONS SELECTION

Series	Input Voltage	5 Digit Program Number <small>(Established at the Factory to Customer's Application)</small>	Example of Outputs
<b>MC</b>	1 120 VAC	<b>Example #1</b> 00001 = 6 Channel Recycle	<b>First Digit</b> = # of 10 amps Current Outputs <i>(Maximum of 6)</i>
	2 230 VAC		<b>Second Digit</b> = Relay Suffix <i>(H = 10 amps)</i>
	3 24 VAC	<b>Example #2</b> 00002 = 6 Channel One Shot	<b>Third Digit</b> = # of 20 amps Outputs <i>(Maximum of 2)</i>
	4 24 VDC		<b>Fourth Digit</b> = Relay Suffix <i>(J = 20 amps, 1.5 HP)</i>
	7 12 VDC		
	8 VAC (Specify) <i>Example: 8(32) 32 VAC</i>		
	9 VDC (Specify) <i>Example: 9(30) 30 VDC</i>		

*Specifications subject to change without notice.*