

# Time Switches

## Description:

Time switches are designed for control of heating, ventilating, air conditioning, refrigeration, lighting, security, circulating pumps, spas or any electrical load requiring 24-hour scheduling



## Environmental:

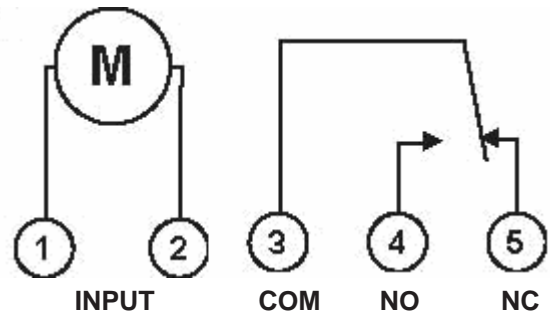
1. Operating temperature: -40°F to +160°F
2. Storage temperature: -40°C to +85°C
3. Humidity: 95% relative, non-condensing
4. Weight: 3oz

## Approval:

1. UL: E218111, E312471
2. CE

## Connection:

Contacts shown in "Off" position (trippers pushed inward)  
 "On" position (trippers pushed outward) will close contacts 3 & 4



## Input:

1. Voltage: 120V, 208V and 230VAC (Tolerance  $\pm 10\%$ )
2. Frequency: 60 HZ (Tolerance -5% - +5%)
3. Power Consumption: 1VA

## Output:

1. Type: Isolated relay contracts
2. Form: SPDT
3. Rating: 21A resistance at 125V  
 1HP @ 125VAC  
 2HP @ 240VAC
4. Max switching Voltage: 250V AC
5. Life Operations: Mechanical:  $1 \times 10^7$ ; Electrical:  $1 \times 10^5$

## Mechanical:

1. Mounting: Surface mount with screws
2. Connector type: 0.25 inch (6.35mm) Quick Connect

## Programming:

The time switch is programmed by pushing the captive trippers to the outer ring position for the entire period that the load is to be turned "ON", i.e., fifteen minutes for each tripper on the 24-Hour dial. When the tripper is pushed to the inside, the switch is in the "OFF" position.

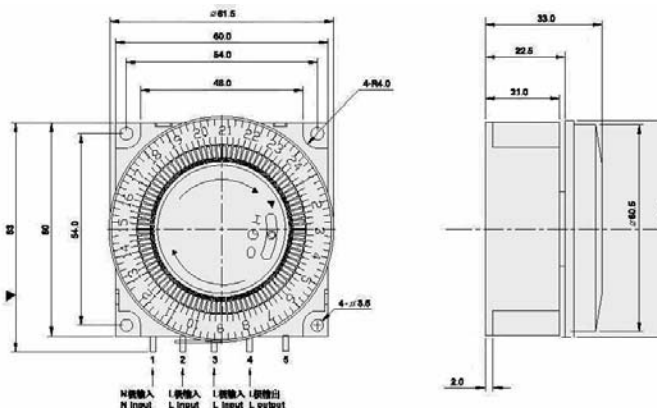
## Programming with manual override switch:

### 1. AUTOMATIC MODE

In order to operate the time switch module in the automatic mode, the manual switch must be in the center position (automatic) - see diagram.

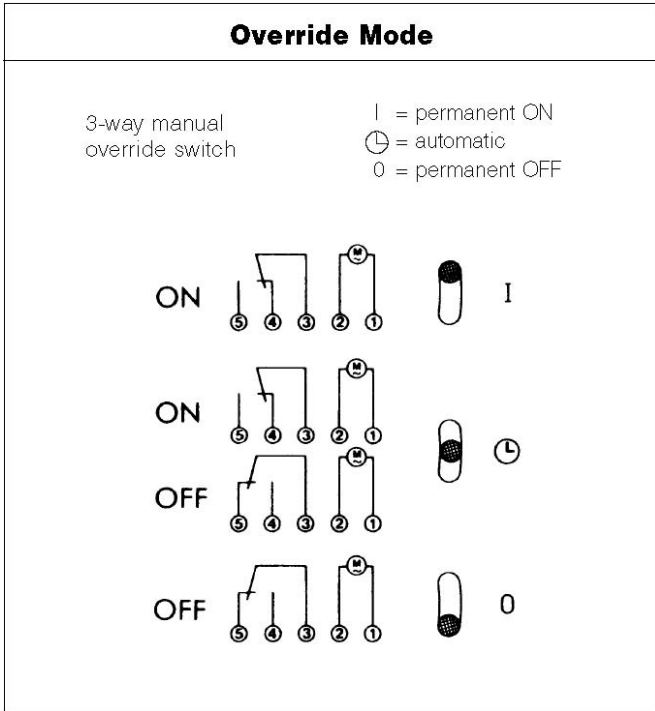
### 2. MANUAL MODE

With the manual switch selector lever the selected programs can be overridden. In the lower position, marked "O", terminals 3 and 5 are permanently closed. In the upper position, marked "I", terminals 3 and 4 are permanently closed (see diagram).



**MaxTronic Technologies LLC**

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**Order information:**

Product	Input Voltage	RoHS
MT-010102 (FM-DS3)	120VAC	Yes
MT-010202 (FM-DS3 D)	208VAC, 230VAC	Yes

**MaxTronic Technologies LLC**