

# DTM-9

7 DAY PROGRAMMABLE TIMER



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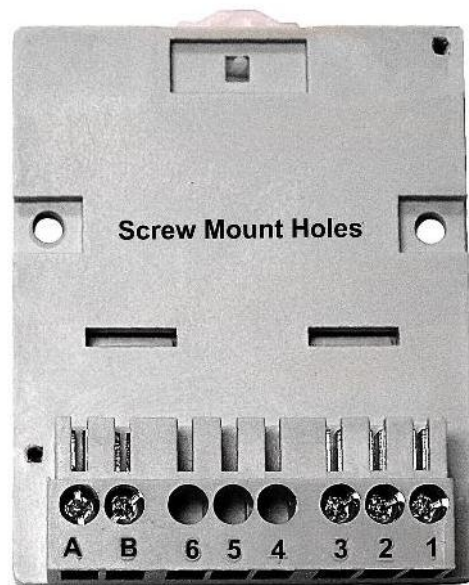
## Cautions and Warnings



This product is an accessory or part of a system. Always read and follow the manufacturer's instructions for the equipment you are connecting this product to. Comply with all applicable codes and safety regulations. Failure to do so may result in damage, injury or death!

## Indicators, Controls, and Connections

Terminal	Function
A	Power in Positive
B	Power in ground or negative
3	Relay output Normally Closed
2	Relay output Common
1	Relay output Normally Open



On Activation terminals 1 and 2 will close completing the circuit. The red LED will illuminate indicating that the relay has activated

## Specifications

Specifications	
<b>Power Supply</b>	12 Volt DC,
<b>Power Supply Tolerance</b>	+/- 20% of Power Rating
<b>Current Draw</b>	60mA standby 74mA activated
<b>Housing Material</b>	Break resistant Polycarbonate
<b>Housing Dimensions</b>	H=4.00"(83mm), W=2.75"(40mm) D=2.25" (90mm)
<b>Relay Type</b>	SPDT 5A@ 24VDC /120VAC
<b>Temperature Range</b>	-40 to 170 Degrees Fahrenheit
<b>Connector</b>	Isolated Screw Terminal strip with 5 connections
<b>Activation Indicator</b>	Red LED when relay is activated
<b>Mounting</b>	DIN rail and flush mount bracket supplied
<b>Surge Protection</b>	MOV protection device
<b>Memory</b>	Rechargeable back-up battery

# Operation

## DTM-9 DATE and TIME SETUP

**STEP 1**  
Slide On/OFF switch to ON position  
(Must be left in on position during operation)

**STEP 2**  
While holding down the CLOCK Button Press the DAY button to set to current day of the week

**STEP 3**  
While holding down the CLOCK button press the HOUR button as necessary to set to current hour  
(Uses 24 hour military time format)

**STEP 4**  
While holding down the CLOCK button press the MIN button as many times as needed to set the current minutes.

The DTM-9 is now set up for the current day and time. Proceed to the event programming section of this guide.



AM/PM	MILITARY
1 am	01:00
2 am	02:00
3 am	03:00
4 am	04:00
5 am	05:00
6 am	06:00
7 am	07:00
8 am	08:00
9 am	09:00
10 am	10:00
11 am	11:00
12 noon	12:00
1 pm	13:00
2 pm	14:00
3 pm	15:00
4 pm	16:00
5 pm	17:00
6 pm	18:00
7 pm	19:00
8 pm	20:00
9 pm	21:00
10 pm	22:00
11 pm	23:00
12 midnight	24:00



## Installation

Install on DIN rail or use screws to mount base to surface. figure 1.1 (screw mounting holes)

Remove terminal block cover as shown in figure 1.2

Connect power to terminals "A" and "B". *Unit must be powered to operate*

Connect terminal "2" (relay common) to correct terminal in operator control as specified by operator manufacturer.

Connect terminal "1" (relay normally open) to correct terminal in operator control as specified by operator manufacturer.

Note: Terminal "1" makes contact with terminal "2" when unit is activated. Terminal "3" (relay normally closed) is contacted to terminal "2" when unit is not activated.



Figure 1.1



Figure 1.2

### Note:

- Battery life will be reduced if unit is powered off repeatedly each night.
- Unit must be turned on and powered up to operate, the DTM-9 cannot run off of the memory back-up battery.
- Install timer away from inductive loads. Inductive loads must have MOV or RC suppressors. If possible use a separate power source for the timer

## Ordering Information

<b>DTM-9-12</b>	<b>12 VDC powered timer</b>
<b>DTM-9-24</b>	<b>24 VAC/DC powered timer</b>
<b>DTM-9-120</b>	<b>120 VAC powered timer</b>



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