



DTM-9

7 Day Programmable Timer



Operating Instructions



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!

Installer notes:

Voltage installed:

Settings	Time on	Days	Time Off	Days
Function 1		MO TU WE TH FR SA SU		MO TU WE TH FR SA SU
Function 2		MO TU WE TH FR SA SU		MO TU WE TH FR SA SU
Function 3		MO TU WE TH FR SA SU		MO TU WE TH FR SA SU
Function 4		MO TU WE TH FR SA SU		MO TU WE TH FR SA SU
Function 5		MO TU WE TH FR SA SU		MO TU WE TH FR SA SU
Function 6		MO TU WE TH FR SA SU		MO TU WE TH FR SA SU

Product Overview

The DTM-9 7 Day Programmable Timer is able to be programmed with up to 6 ON/OFF events. By using it to hold open the gate or door during high usage times you reduce the power required to operate the gate and reduce wear and tear on the mechanical components.

Technical Specifications

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

Controls, Indicators 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.

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)

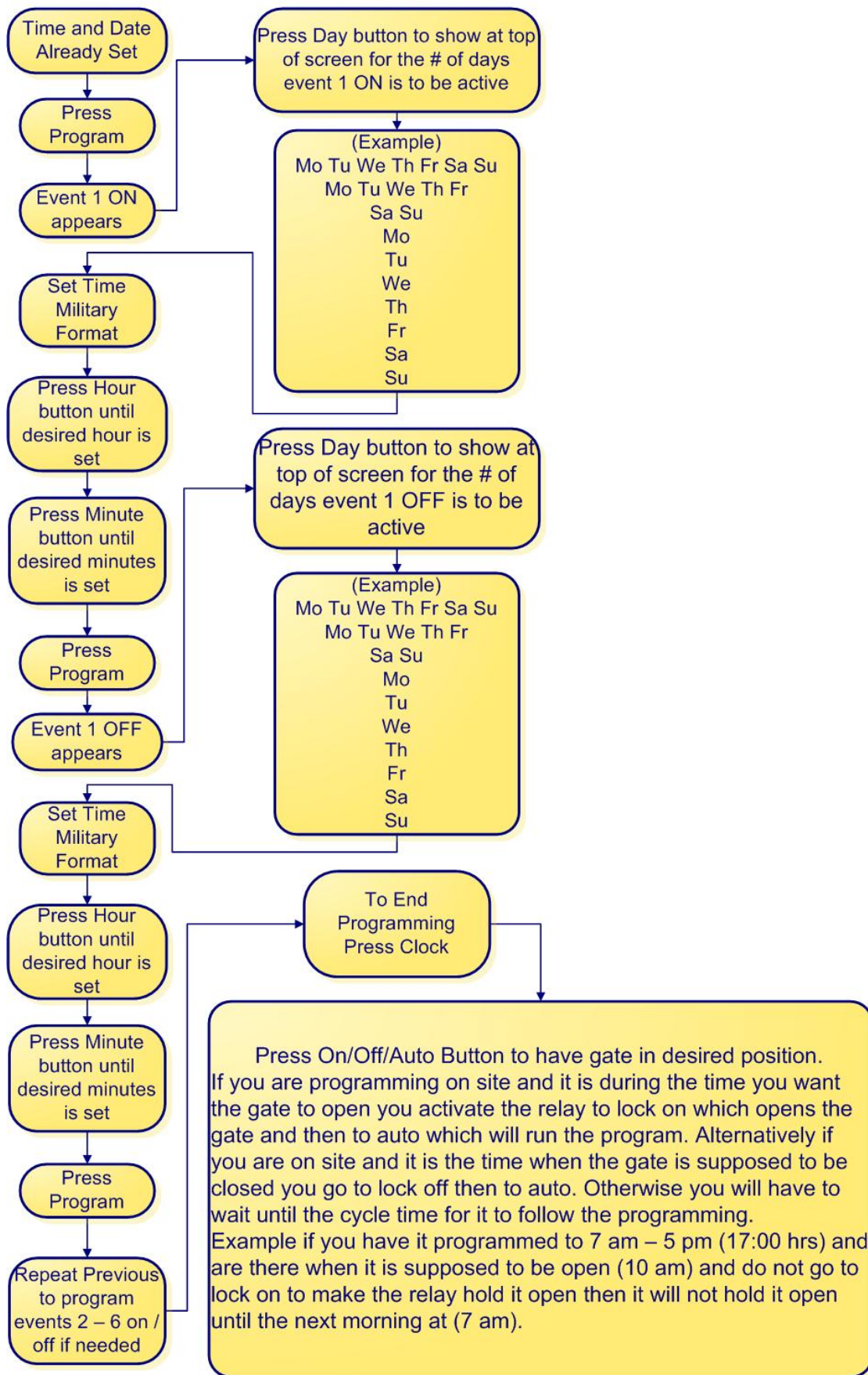
STEP 4
 While holding down the CLOCK button press the MIN button as many times as needed to set the current minutes.

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

DTM-9 Programming Flow Chart



Installation Instructions

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.

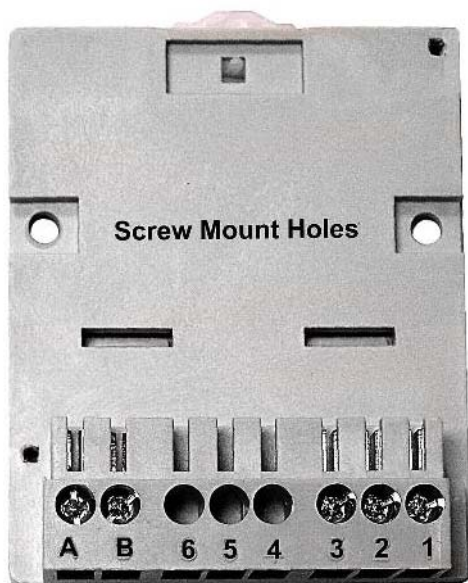


Figure 1.1



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

DTM-9-12 12 Volt DC powered timer

DTM-9-24 24 Volt AC/DC powered timer

DTM-9-120 120 Volt AC powered timer



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