



Instruction Manual

The DTM-9 seven day timer allows for the programming of open and close times for overhead doors, gates and parking barriers. The timer can hold up to six different open/close programs for varying days of the week and times.

Cautions and Warnings



This product is an accessory or part of a system. Install the DTM-9 according to instructions from the gate or door operator manufacturer. Comply with all applicable codes and safety regulations.

Specifications

Power	12 VDC, 24 VDC/AC or 120 VAC
Current Draw	60 mA standby, 74 mA activated
Relay	SPDT 5 A @24 VDC / 120 VAC
Surge Protection	MOV protection
Operating Temperature	-40° to 170°F (-40° to 77°C)
Mounting	DIN rail and flush mount bracket supplied
Dimensions (L x W x H)	2.75" (70 mm) x 2.25" (57 mm) x 4.0" (102 mm)

Ordering Information

- DTM-9-12 12 VDC programmable timer
- DTM-9-24 24 VDC/AC programmable timer
- DTM-9-120 120 VAC programmable timer

Wiring Connections



Terminal	Description
A	Power + (12 VDC, 24 VDC/AC or 120 VAC)
B	Power - (12 VDC, 24 VDC/AC or 120 VAC)
3	Relay - NC (normally closed contact)
2	Relay - COM (common contact)
1	Relay - NO (normally open contact)

Installation

1. Install the DTM-9 on DIN rail or use screws to mount base to surface. Remove clear terminal cover.
2. Connect power to terminals "A" and "B" (polarized). Connect terminal "2" (relay COM) and terminal "1" (relay NO) to the correct terminals in the operator as specified by the manufacturer.

TIP:

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

3. Current date and time setup:

- Slide ON/OFF switch to ON. (The switch must be left in ON position during operation. If the switch is turned off the DTM-9 will reset.)
- While holding down CLOCK button, press DAY button to set the current day.
- While holding down CLOCK button, press HOUR button to set the current hour.
The DTM-9 uses 24 hour military time.
- While holding down CLOCK button, press MIN button to set the current minute.

4. Program setup:

- Press PROG button. Event 1 ON displays in the bottom corner of the screen. Press DAY button to display the list of days. Event 1 ON will be activated. Continue pressing DAY until desired pattern of day(s) is displayed. Set desired time when Event 1 turns on using HOUR and MIN buttons.
- Press PROG button. Event 1 OFF displays in the bottom corner of the screen. Press DAY button to display the list of days. Event 1 OFF will be activated. Continue pressing DAY until desired pattern of day(s) is displayed. Set desired time when Event 1 turns off using HOUR and MIN buttons.
- Press PROG button. Repeat program set-up steps with events 2-6 ON/OFF if needed.
- Press CLOCK button to exit programming

5. Program onsite:

- If programming on site and it is during the time the gate should be open, press ON/AUTO/OFF button to display LOCK ON and press again to display AUTO. LOCK ON will open the gate and AUTO will run the program.
- If programming on site and it is during the time the gate should be closed, press ON/AUTO/OFF button to display LOCK OFF, then press again to display AUTO.
- For example, if the DTM-9 is programmed to be open from 7:00 am – 5:00 pm and programming is being done at 10:00 am when the gate should be open and the LOCK ON is not set, the gate will not hold open until the next day at 7:00 am.

Warranty

EMX Industries, Inc. products have a warranty against defects in materials and workmanship for a period of two years from date of sale to our customer.