

DTM-9 Installation Notes

Installation Notes: Mount the timer away from inductive loads as contactors and motors. Use separate power supply line for the timer if possible. All inductive loads must have MOV or RC suppressors.

Pin Description

- 1 Relay Normally Open (When “LOCKED OFF” or TIMED OFF)
- 2 Relay Common
- 3 Relay Normally Closed (When “ LOCKED ON or TIMED ON)
- 4 Not Used
- 5 Not Used
- 6 Not Used
- A Power N (Note the power rating indicated on unit) Connect to correct Voltage or unit will be damaged.
- B Power L (Note the power rating indicated on unit) Connect to correct Voltage or unit will be damaged.

Install the unit as far as possible from any electrical noise source. Mount the unit on a DIN rail or attach it with two screws to the desired location. Connect the appropriate power wires to pins A and B. Connect the pins 1 and 2 to the open command terminals in the gate or door operator.

Programming Instructions:

1. Move the **ON/OFF** sliding switch to the **ON** position, the display will activate.
The Timer is now switched on.
2. While holding the **CLOCK** button down set the day by depressing the **DAY** button as many times as necessary to set the correct day.
3. While holding the **CLOCK** button down set the hour by depressing the **HOUR** button as many times as necessary to display the correct hour.
4. While holding the **CLOCK** button down set the correct minutes by depressing the **MIN.** button as many times as needed to display the correct minutes.
The Clock is now set to the correct day and time.
5. Press the **PROG** push-button to begin the programming of the timer. Program 1 ON is the time the relay will be activated. (Terminal 1 and 2 will be closed)
6. Set the day or days you want to program by pressing the **DAY** push-button. Pressing the **DAY** button will move the timer from one day to the other until you reach blocks of days that can be programmed.
7. Set the time when the relay will be activated by pressing the **HOUR** and **MIN** push buttons.
8. Press the **PROG** push-button to continue to set the timer **OFF** period. (Terminal 1 and 2 will be open)
Follow the sequences in steps 6
9. Set the time when the relay will be deactivated by pressing the **HOUR** and **MIN** push buttons.
10. Continue the setting of up to 6 **ON/OFF** periods per week by repeating steps 6-9 above.
11. At the end of programming press the **CLOCK** push-button.

For example you want to keep the gate open from 8 in the morning to 5 after noon from Monday to Friday and from 9 in the morning till 2 in the afternoon on Saturday. Set the clock time as in 2 to 4 above, press **PROG** once so that the display shows 1 ON. Press **DAY** push-button 8 times until Monday through Friday is displayed. Press **HOUR** 9 times until 8:00 is displayed. Press **PROG** once so that 1 OFF is displayed. Press **DAY** button 8 times until Monday through Friday is displayed. Press **HOUR** 18 times until 17:00 is displayed. Press **PROG** button till 2 ON is displayed. Press on **DAY** till Saturday is displayed; press on **HOUR** until 9:00 is displayed. Press on **PROG** till 2 OFF is displayed, press **DAY** till Saturday is displayed. Press on **HOUR** until 14:00 is displayed. Press on **CLOCK** and set the timer on **AUTO**.

NOTE: Use ON/AUTO/OFF to toggle between ON, timer program and OFF. RST/RCL button is used to cancel setting or to restart the schedule. If you want the timer to function in the active cycle use lock on then push button to auto. If you want the timer to be in the inactive cycle, set to lock off then push button to auto. On the next cycle time the timer will switch states on the relay. (Example: If timer is active LOCK ON then AUTO the next cycle will cause the relay to turn off)