



Actual Size (2.5" x 2.5")

## Product Manual

- Installation Instructions
- Wiring Instructions

**Read and follow all UL and Safety Standards before installing. Refer to the manual and qualified personnel for assistance. DO NOT install this device unless all entrapment and pinch points are eliminated.**

### OVERVIEW:

The TDM100 is a simple time delay module for key switches, pushbuttons and other access devices that do not have a time delay output. Once an access device is connected to the TDM100, its output will initiate a contact with the Time Delay Module and start a timed countdown before the relay on the TDM-0100 is activated. The time delay can be set from 1 - 99 seconds or the TDM-0100 can be put into a toggle mode.

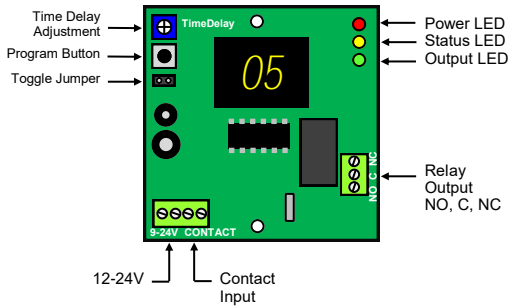
### MOUNTING THE TDM100:

Mount the TDM100 inside the access control device or inside a weather tight housing. Use standoffs or adhesive foam tape to **prevent the PCB from touching the housing or any metal.**



### TDM100 WIRING OVERVIEW:

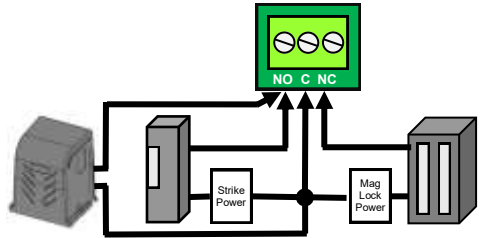
The FEB100-PB uses the TDM100 Time Delay Module for relay and time delay control. The time delay can be set from 1 - 99 seconds or in a toggle mode.



### TDM100 RELAY WIRING:

The TDM100 module has one relay with NO, NC, C inputs. To connect a device to the TDM100 relay:

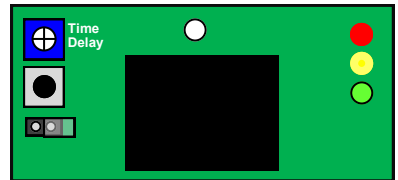
1. Connect gate operators to NO and C
2. Connect electric strikes to NO and C
3. Connect magnetic locks to NC and C



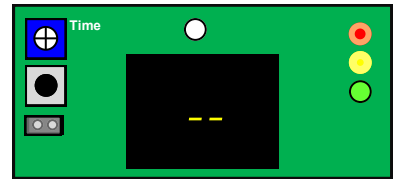
### TIME DELAY PROGRAMMING:

The time delay can be set from 1 - 99 seconds. To adjust the time delay:

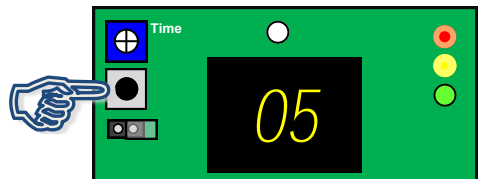
1. Place the Toggle Jumper on only one pin.



2. Turn power on.
  - Red LED should be on and Count LED should show 00 while Yellow LED is on.
  - Yellow LED and Count LED will turn off after 2 seconds.



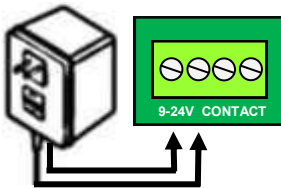
3. Press the program button. The current time delay will be displayed.



### TDM100 POWER WIRING:

The TDM100 can be powered by a 12-24VAC/VDC power source. The LED light can be connected in line with the TDM100 power. The Pushbutton light can be connected in line with the TDM100 power only if the power source is 12VDC. To connect power:

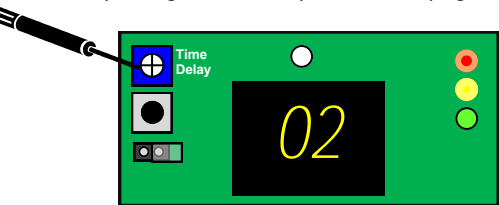
1. Connect a 12-24VAC/VDC power source to the LED Power Terminal.



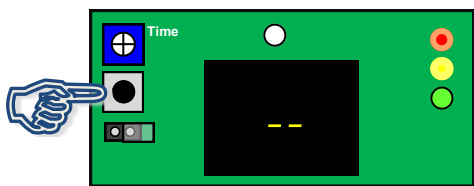
- DO NOT** mount operating devices accessible through the gate or in between gate and wall.
- Mount the system at least 10 feet away from a vehicular gate and its travel.

### TIME DELAY PROGRAMMING (CONT):

- Using a small screw driver, adjust the time delay by turning the Time Delay POT on the top right.



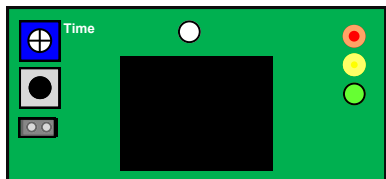
- Press the program button to save the new setting. Display will blink --, then -- solid, then turn off.



### TOGGLE MODE PROGRAMMING:

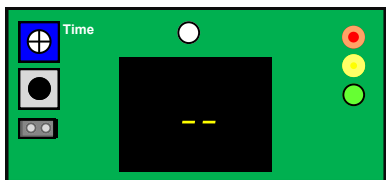
The time delay can be turned off and set to a toggle mode. To adjust the time delay:

- Place the Toggle Jumper on both pins.



- Turn power on. System will toggle the relay each time the pushbutton is pressed.

- If relay is inactive, input will activate relay.
- If relay is active, input will deactivate relay.



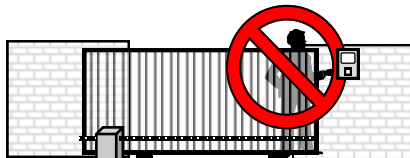
### IMPORTANT USER INSTRUCTIONS:

Automatic gate systems provide user convenience and limit vehicular traffic. Because these systems can produce high levels of force, it is important that you are aware of the potential hazards associated with the system. Potential hazards may include pinch points, entrapment positions, lack of proper pedestrian access, blind spots for traffic visibility.

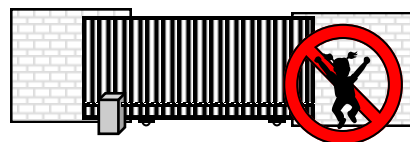
It is the joint responsibility of the designer, purchaser, installer and end user to verify the system is properly configured for its intended use. Be sure that the installer has instructed you on the proper operation of the gate and gate system before use. Be sure the installer trains you about the basic functions of the required reversing devices associated with the gate system and how to properly test them. Reversing devices may include reverse loops, sensing edges, photoelectric cells, inherent reverse detection, and/or other external devices.

### RESTRICTIONS & WARNINGS:

- A moving gate can cause serious injury or death. Read and follow all installation manuals, reference manuals, and warning label instructions.
- Vehicular gates are for vehicles only. Pedestrians must use a separate entrance. Keep all pedestrian traffic away from any vehicular gate. No one should cross the path of a moving gate.
- Never allow children to operate or play with gate controls or to play in the area of a gate system.
- Access control devices must be placed far enough from moving gates to prevent the user from coming in contact with the gate while operating the controls.
- All activating devices must be installed in a clear line-of-sight with the gate and its travel.
- Activating devices must be installed a minimum of 10 feet away from the gate.
- Outdoor or easily accessible controls shall have a security feature to prevent unauthorized use.
- Be sure to mount all operating devices clearly out of reach of through gates.
- DO NOT install this device unless all potential hazards and pinch points have been eliminated.**



**DO NOT** mount operating devices accessible through the gate or in the area between gate and wall.



**DO NOT** allow children to play near, on or with the gate, gate operator, or any of its controls.



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