AccessOne technologies

TDM100

Time Delay Module

- Easy Setup
- Multi-Voltage
- Delay/Toggle Mode

Product Manual

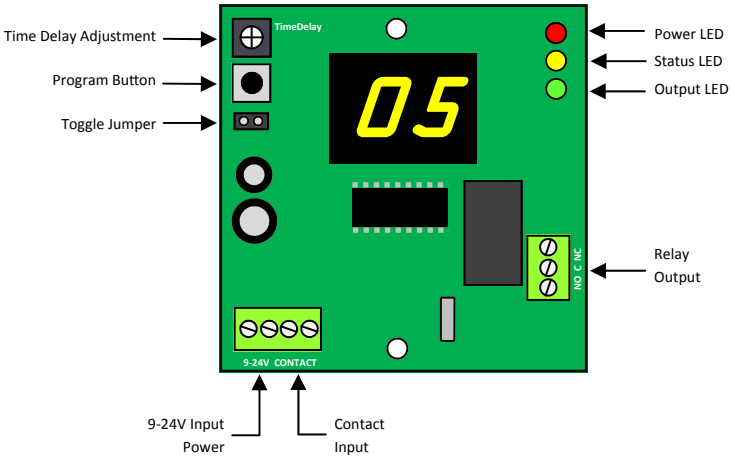
- Installation
- Programming

Read and follow all U.L. and Safety Standards before installing any access device. Please refer to this manual and qualified personnel for assistance.

Revision A

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.

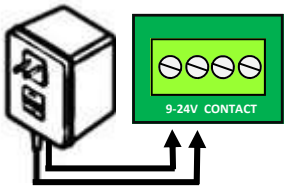


Installation Guide:

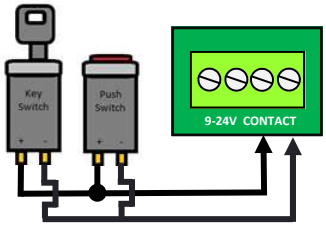
1. Mount the TDM100 inside the access control device or inside a weather tight housing.

   Use standoffs or adhesive foam tape to prevent the PCB from touching the housing or any metal.

2. Connect a 9-24VAC/VDC power source to the Input Power Terminals



3. Connect the access device (key switch or push button) to the Contact Input

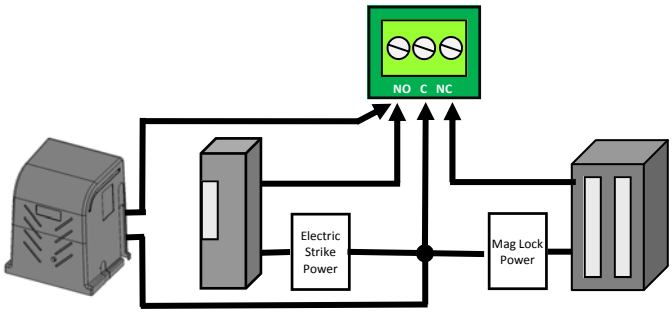


4. To control a device such as a gate operator, magnetic lock, or electric strike, connect the device to the Relay Output.

   Connect gate operators to NO and C

   Connect electric strikes to NO and C

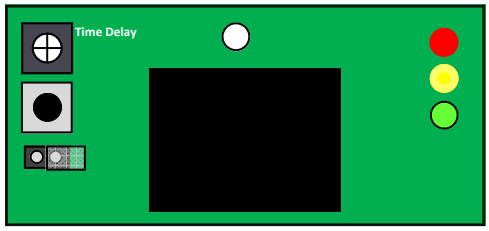
   Connect magnetic locks to NC and C



Programming Guide:

Momentary Mode:

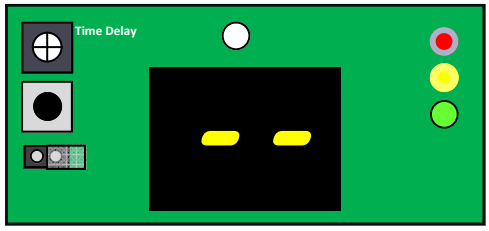
1. Place Toggle Jumper on only one pin.



2. Turn power on.

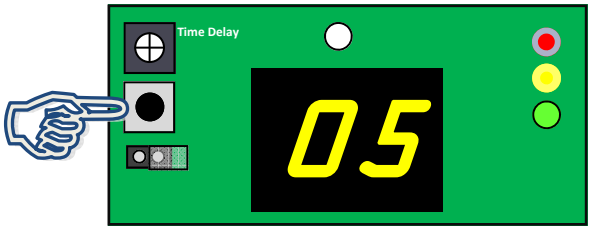
   Red LED should be on and Count LED should show 00 while Yellow LED is on.

   Yellow LED and Count LED will turn off after 2 seconds

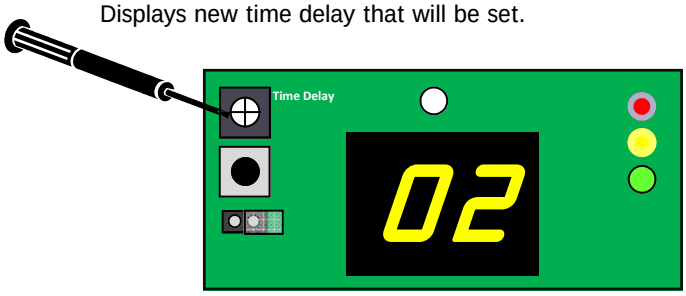


3. Press the program button.

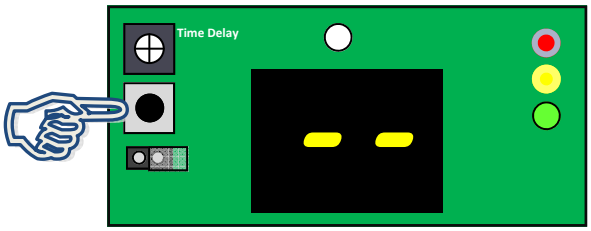
   Displays current time delay



4. Using a small screw driver, adjust the time delay by turning the POT on the top right of the PCB.
   Counter clockwise turn decreases the time, counter clockwise turn increases the time delay
   Displays new time delay that will be set.

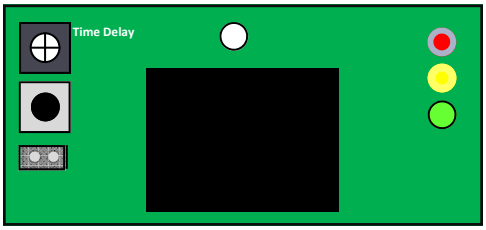


5. Press the program button to save the new setting.
   Display will blink - -, then - - solid, then turn off.

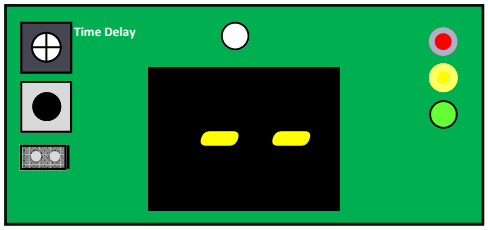


Toggle Mode:

1. Place Toggle Jumper on both pins.



2. Turn power on.
   System will toggle relay each time the Contact Input is activated.
   If relay is inactive, input will activate the relay.
   If relay is active, input will deactivate the relay.



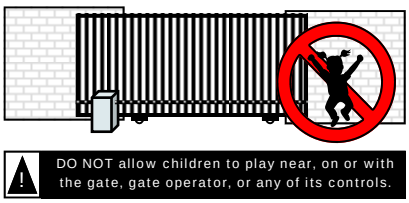
Important Safety Information:

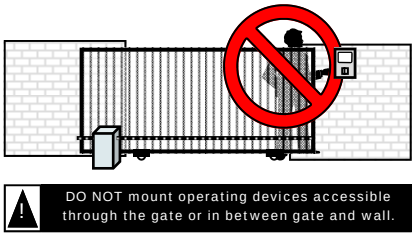
Automatic gate systems provide user convenience and limit vehicular traffic. Because these systems can produce high levels of force, it is important that you are aware of the potential hazards associated with the system. Potential hazards may include pinch points, entrapment positions, lack of proper 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 the installer has instructed you on the proper operation of the 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.

WARNING - To reduce the risk of injury or death:

1. A moving gate can cause serious injury or death. Read and follow all installation manuals, reference manuals, and warning label instructions.
2. 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.
3. Never allow children to operate or play with gate controls. Never allow children to play in the area of a gate system.
4. 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.
5. All activating devices must be installed in a clear line-of-sight with the gate and its travel.
6. Activating devices must be installed a minimum of 10 feet away from the gate.
7. Outdoor or easily accessible controls shall have a security feature to prevent unauthorized use.
8. Mount all operating devices clearly out of reach of through gates.
9. **DO NOT install this device unless <u>all</u> potential hazards and pinch points have been eliminated.**





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