



## Product Manual

- Installation
- Wiring Diagrams



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

### Mounting The System:

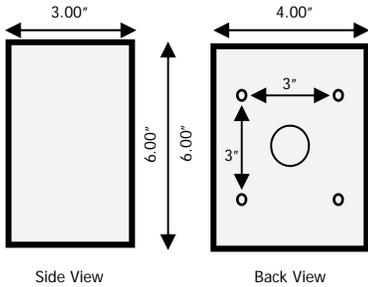
The system can be mounted on a standard pedestal or directly to a wall or flat surface. A 3/4" knockout is located on the back of the box for conduit connections. Rear mounting holes are available for mounting screws and anchors. Follow all safety warnings and precautions when mounting the system.

#### Pedestal Mounting:

1. Use security screws and lock nuts to securely attach the back box to a gooseneck post.
2. If the mounting holes are not used, fill the holes with a plug or sealant to prevent water from entering the box.

#### Wall Mounting:

1. Mount the system to a wall or flat surface. Use appropriate mounting screws or anchors to securely attach the system.
2. Never mount the system to a moving gate, gate panel, or next to a gate that causes vibration to the mounting point. Continuous vibration from moving or slamming gates can cause damage to the unit and is not covered under warranty.

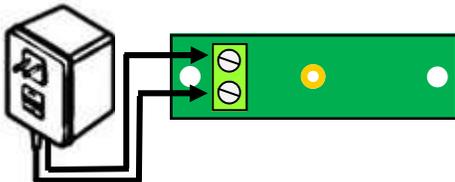


- DO NOT mount operating devices accessible through the gate or in between gate and wall.
- Mount the system at least 10 feet away from a vehicular gate and its travel.

### LED LIGHT WIRING:

The KLB100 has a built-in LED light for night time use. The LED light is located on the top of the recessed light box. To power the LED light:

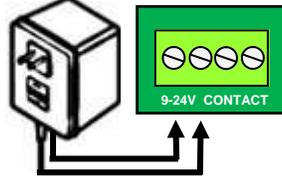
1. Connect a 12-24VAC/VDC power source to the LED Power Terminal.



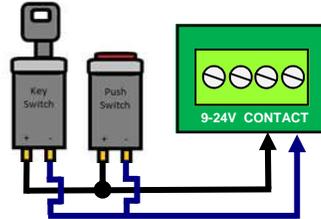
### TDM100 TIME DELAY WIRE CONNECTIONS:

The system may use the TDM100 Time Delay Module to give a momentary or toggle command to the access device. To install the TDM100:

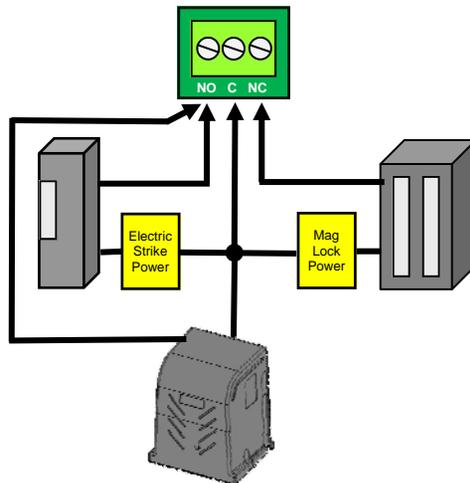
1. Use standoffs or adhesive foam tape to mount the TDM100 inside the Key Box housing.
2. Connect a 12-24VAC/VDC power source to the input Power Terminals. This can be the same power source used to power the LED light.



3. Connect the key switch wires or the limit switch to the Contact Input.



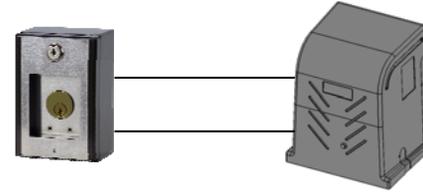
4. To control a device such as a gate operator, magnetic lock, or electric strike, connect the device to the Relay Output.
  - Connect gate operators to NO and C
  - Connect electric strikes to NO and C
  - Connect magnetic locks to NC and C



### GATE OPERATOR WIRE CONNECTIONS:

The system may be connected to an electric gate operator for gate access control. When connecting to a gate operator, always follow the safety guidelines and precautions supplied with the gate operator. To connect a gate operator:

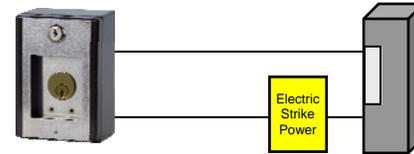
1. Connect NC to Gate Open/Fire Input.
2. Connect COM to Gate Common.
3. Use at least 18AWG or larger wire.



### ELECTRIC STRIKE WIRE CONNECTIONS:

The system may be connected to an electric strike for pedestrian door or pedestrian gate control. To connect an electric strike:

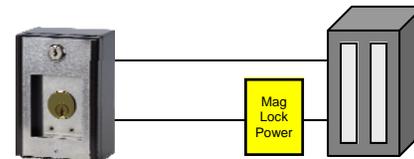
1. Connect NC to the Strike power source.
2. Connect Strike power source to the Electric Strike.
3. Connect COM1 directly to the Strike.
4. Use at least 18AWG or larger wire.



### MAGNETIC LOCK WIRE CONNECTIONS:

The system may be connected to a magnetic lock for pedestrian door or pedestrian gate control. To connect a magnetic lock:

1. Connect NO to the MagLock power source.
2. Connect MagLock power source to Magnetic Lock.
3. Connect COM1 directly to the MagLock.
4. Use at least 18AWG or larger wire.



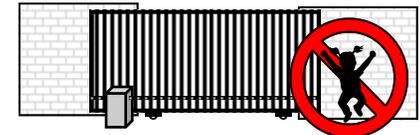
### IMPORTANT USER INSTRUCTIONS:

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:

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 or 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. Be sure to mount all operating devices clearly out of reach of through gates.
9. **DO NOT install this device unless all potential hazards and pinch points have been eliminated.**



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



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