

Tailgate Detection Installation

Rev1.0

Your Tailgate detection system (TDS) consists of the following parts:

1	TDS Controller
2	TDS Sensor
1	TDS Sensor Communication Cable
1	TDS to Door Controller Communication Cable
1	TDS Power Supply (12VDC)
4	TDS Sensor mounting screws
1	Flying Lead w/ wire nuts
4	Connectors
4	Double Sided Tape- 1" Square

Installation + Connections

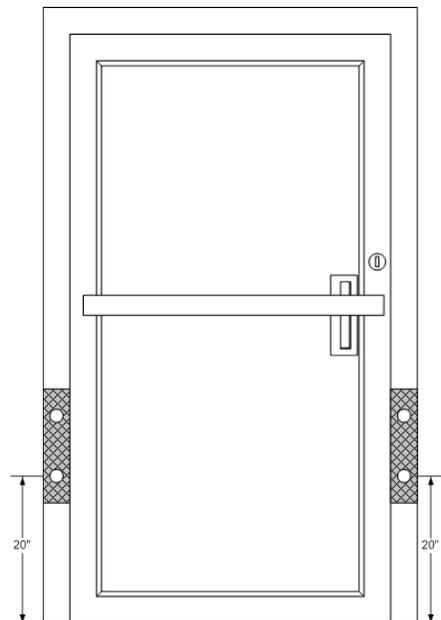
Note: The TDS controller should be installed on top of or next to the door controller used for your access system.

1. It will be necessary to install sensor bars on both sides of the access controlled door. Using a 1 1/2" hole saw, drill access holes 20" from the floor. (see illustration for details)

Note: TDS Sensors must be installed on the side of the door opposite of the door swing and must be mounted so that the smoked glass sections face each other.

2. Remove TDS Sensor covers by removing the upper and lower screws, then holding the TDS Sensor to the location, mark the holes to pre drill the mounting screw locations using 1/8" drill bit.
3. Run the supplied TDS Sensor Communication Cable beginning at the TDS Controller. Run the Communication Cable to the access hole at TDS Sensor location on door.

Note: TDS Sensor communication cable must be run to the sensor equipped with a modular plug connection.



4. Connect the Communication Cable to the TDS Sensor, feed wiring through access hole located in bottom of sensor housing and mount the TDS sensor using the supplied double sided tape and screws. (Do not reinstall the covers yet as your sensors may require adjustment.)
5. Run a 2 conductor wire (not supplied) from the leads located on the modular jack to the other TDS sensor and connect using supplied connectors.
6. Run a 2 conductor wire (not supplied) from the TDS Controller location to the area where your DVR or other surveillance equipment is located.
7. Connect the TDS Sensor Communication cable to the 9 pin jack located on the back of the TDS Controller.
8. Connect the AUX port on the door controller to the INPUT port on the TDS controller using the supplied jumper cable.
9. Using the supplied flying lead, connect the wire previously run from the DVR to the OUTPUT jack located on the back of the TDS Controller.
10. Plug the provided power supply labeled "Tailgate Detection System" to the power jack located on the back of the TDS Controller.

Initial Power Up, Testing, and Adjustments

1. **INITIAL POWER UP:** Verify that all connections are correct. After you have verified connections, turn the TDS system on using the key switch located on the front of TDS Controller. The TDS Controller will power up along with the TDS Sensor. At this time, the green light located on the TDS Controller should light for about 5 seconds. After the green light shuts off, the red light will light.
2. **SENSOR TEST:** The TDS Sensor actually contains two sensors. Each sensor has a pair of indicator lights and an adjustment dial. When the TDS system is powered up and nothing is in its field of view, only the green light should be illuminated. If both the green and red lights are illuminated, this indicates that something is in the field of view.
3. **FIRST WALK THROUGH TEST:** Verify that the red light is illuminated on the TDS Controller and walk through the door in both directions. The TDS system should allow you to exit the building freely, but a buzzer should sound when re entering the building. Once you have verified operation without swiping a key tag, proceed to SECOND WALK THROUGH TEST.
4. **SECOND WALK THROUGH TEST:** Exit the building and present a membership ID card to the reader. The green light on the door controller should light. Enter the building and verify that the alarm does not sound. Once you have verified operation with a valid keytag, proceed to THIRD WALK THROUGH TEST.
5. **THIRD WALK THROUGH TEST:** Exit the building and present a valid membership ID card to the reader and have two people enter the building. The buzzer should sound when the 2nd person enters the building. Repeat this step several times to verify proper operation.
6. **ADJUSTMENTS:** The adjustment dial turns 180 degrees with the maximum sensitivity set toward the programming jumpers and the minimum sensitivity set away from the programming jumpers. These settings should not need adjustment if installing on a standard door opening.
7. If you have not already done so, install the TDS Sensor cover.
8. It will be necessary to configure your DVR to work with your TDS Controller. See the appropriate technical document for your particular DVR model for connection and configuration instructions.

Congratulations – you have successfully installed your Tailgate Detection System. To allow free entry and exit with no alarm activations simply turn off the TDS Controller using the key switch.