

## OVERVIEW

The OTS-VSH monitors through-beam infrared sensors and access control contacts to determine and annunciate the status of a secured pedestrian walkway. The access control system provides valid card contact closures to the OTS-VSH when a card is presented to the reader mounted at the housing. Green and red backlit display indicators prompt persons using the passageway to present their card, and that access is granted or denied. A sounder located inside the housing provides a short audible indication that access is granted.

One person is allowed to pass through the walkway for each valid card presented. If a person walks through the passageway without presenting a valid card, an alarm is generated. A sounder in the housing alerts area personnel that a violation has occurred, and an alarm relay contact notifies the access control system of the alarm.

## FEATURES

- ◇ **CARD IN / FREE EXIT OPERATION**
- ◇ **BACKLIT DISPLAY INDICATOR GRAPHICS**
- ◇ **AUTOMATIC ALARM RESET**
- ◇ **TAILGATE SENSITIVITY FIELD ADJUSTABLE**
- ◇ **DURABLE STAINLESS STEEL CONSTRUCTION**
- ◇ **VERY SMALL FOOTPRINT 4 X 8 X 38 INCHES**
- ◇ **BRUSHED STAINLESS STEEL FINISH**
- ◇ **SPECIALTY FINISHES AVAILABLE**
- ◇ **CUSTOM OPERATIONAL FEATURES AVAILABLE**
- ◇ **MAY BE USED AS A PEDESTRIAN COUNTING SYSTEM**



Model Shown: Stainless Steel, Beveled Ends,

## STANDARD SYSTEM INTERFACE

The lock output of the card access system is monitored by the OTS-VSH to determine when a valid card has been presented. The lock may be fail-safe or fail-secure. The lock output must be configured for automatic re-lock when the door is opened. The Normally Closed Door Mimic Relay (DMR) is monitored by the card reader system. The Normally Closed Alarm Relay is monitored by the card reader system.

## OPERATION

### NORMAL ENTRY USING CARD READER

The Door Mimic Relay opens when the valid card is presented to the reader, and closes when a person walks through the passageway. This relay cycle is expected by the card reader system and an authorized passage is registered in the card reader database.

### TAILGATE ALARM

If a person walks through the passageway in the entry direction without presenting a valid card, then the DMR opens again and the card reader system interprets that action as a Forced Door and an alarm is registered in the card reader database. The OTS-VSH circuit activates the local sounder so that the alarm is annunciated at the door. The Normally Closed Alarm Relay opens. The alarm is reset after about 4 seconds.

### FREE EXIT

When a person walks through the passageway in the exit direction, no alarm is generated.

## TECHNICAL SPECIFICATIONS

<b>Power</b>	12 VDC @ 1 Amp max.
<b>Inputs</b>	Valid card contact: 1 Lock Control Relay from card reader system. Lock may be fail-safe or fail-secure. Through-beam infrared sensors mounted inside housing.
<b>Outputs</b>	1 Normally Closed Door Mimic Relay (DMR) 1 Normally Closed Alarm Relay Alarm sounder @ 85dB. Sounder is on during alarm. Green Display graphic indicates entry access enabled. Red Display graphic indicates secured mode. Entry will generate an alarm.
<b>Field</b>	
<b>Adjustments</b>	Tailgate Sensitivity Adjustment - sets the sensitivity of the Tailgate Detection software. Fail-Safe / Fail-Secure Lock voltage select. Use J5 to select Lock Voltage
<b>Construction</b>	The sub-base and internal frame are constructed of 3/8" steel. There are 4 mounting holes and access for wiring. Housing is stainless steel with brushed finish.
<b>Dimensions</b>	4 x 8 x 38 inches
<b>Mounting</b>	The sub-base is bolted to the floor using the provided anchor bolts. The internal frame is mounted to the sub-base. The housing cover is mounted to the internal frame.
<b>Spacing</b>	Standard Passageways. The housings should be spaced to provide 30 to 32 inches of walkway space for standard passageways. ADA Passageways. The housings should be spaced to provide a minimum of 36 inches of walkway space for ADA compliant passageways.