

OVERVIEW

The OTS-SS monitors through-beam infrared sensors, 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-SS 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; a separate sounder indicates when access is denied.

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.

Model OTS-SS is available in 60-inch, 48-inch, and 36-inch housings.

FEATURES

- CARD IN / CARD OUT OPERATION
- DAY/ NIGHT MODE
- GUARD DESK ANNUNCIATOR/CONTROL
- BACKLIT DISPLAY INDICATOR GRAPHICS
- AUTOMATIC ALARM RESET
- TAILGATE SENSITIVITY FIELD ADJUSTABLE
- DURABLE STAINLESS STEEL CONSTRUCTION
- FOOTPRINT: OTS-SS-60: 8 X 60 X 38 INCHES
OTS-SS-48: 8 X 48 X 38 INCHES
OTS-SS-36: 8 X 36 X 38 INCHES
- BRUSHED STAINLESS STEEL FINISH
- ROUNDED OR BEVELED ENDS
- SPECIALTY FINISHES AVAILABLE
- CUSTOM OPERATIONAL FEATURES AVAILABLE
- MAY BE USED AS A PEDESTRIAN COUNTING SYSTEM



Model Shown: OTS-SS-60
60" Stainless Steel, Rounded Ends, Standard Tops

STANDARD SYSTEM INTERFACE

The lock output of the card access system is monitored by the OTS-SS to determine when a valid card has been presented. 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.

OPERATION

NORMAL PASSAGE (ENTRY or EXIT) USING CARD READER

The DMR 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-SS circuit activates the local sounder so that the alarm is annunciated at the door. The alarm is reset after about 4 seconds.

FREE EXIT MODE

When a person walks through the passageway in the exit direction, the DMR relay does not activate.

TECHNICAL SPECIFICATIONS

Power	12 VDC @ 1 Amp max.
Inputs	Valid entry card contact: 1 lock control relay from card reader system closes for entry. Valid exit card contact: 1 lock control relay from card reader system closes for exit. Invalid card contact: contact closes when an invalid card is presented to the reader. Lane Bypass: contact closes when lane is placed in bypass mode. Day/night Mode: contact is open for card in/card out operation (night mode), close contact for card in/free exit operation. (day mode) Through beam infrared sensors, mounted inside housing.
Outputs	1 normally closed Door Mimic Relay (DMR) 1 normally closed Bypass Status Relay Alarm sounder @ 85 dB. Sounder is on during alarm. Access Denied Chime sounder @ 85dB. Chime is on when access is denied. Green Display graphic indicates entry access enabled. Red Display graphic indicates secured mode. Entry will generate an alarm.
Field Adjustments	Tailgate Sensitivity Adjustment - sets the sensitivity of the tailgate detection software. Beam Block – sets the time delay to beam block alarm. Alarm auto reset – sets the time delay for alarm reset. Unused access reset delay – sets the time delay to reset the lane to normal if a valid card is presented and the lane passage does not occur.
Construction	The sub-base and internal frame are constructed of 3/8" steel. There are 8 mounting holes and access for wiring. Housing is stainless steel with brushed finish.
Dimensions	Model OTS-SS-60: 8 x 60 x 38 inches Model OTS-SS-48: 8 x 48 x 38 inches Model OTS-SS-36: 8 x 36 x 38 inches
Mounting	The sub-base is bolted to the floor using the provided anchor bolts. The housing frame is mounted to the sub-base.
Spacing	NORMAL PASSAGEWAYS. The housings should be spaced to provide 30 to 32 inches of walkway space for normal passageways. ADA PASSAGEWAYS. The housings should be spaced to provide a minimum of 36 inches of walkway space for ADA compliant passageways.