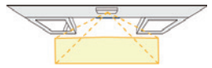
| System Configuration

OA-PRESENCE TN (sold separately)

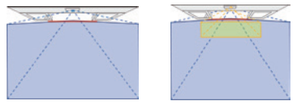
Whether used for new constructions or for existing systems, this sensor not only help ensure safety but also increase safety by providing additional area for covering activation area and safe area coverage while the door is open.



* For information on using other header sensors, contact your OPTEX sales representative.

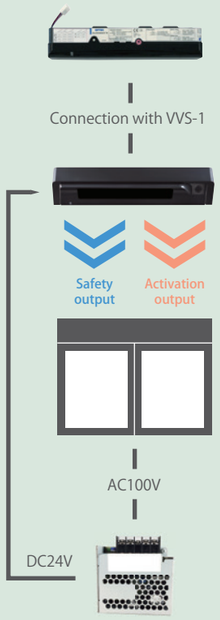
VVS-1

VVS-1 uses image recognition technology for automatic door activation output. The VVS-1 series ensures accurate pedestrian detection as well as travel direction and walking speed recognition.



Power supply (sold separately)

Use only the following dedicated power supplies (sold separately) with the VVS-1.
• Single direction (one VVS-1): 24 V / 15 W power supply
• Dual direction (two VVS-1): 24 V / 30 W power supply



* Via LAN cable. Required only for configuring the VVS-1.

PC

A PC is necessary to configure the VVS-1 functions and area settings. Connect the PC using a LAN cable.

VVS eTracker

This exclusive smart device app is designed for use with VVS-1 systems. The app makes it easy to see the effectiveness of the VVS-1.

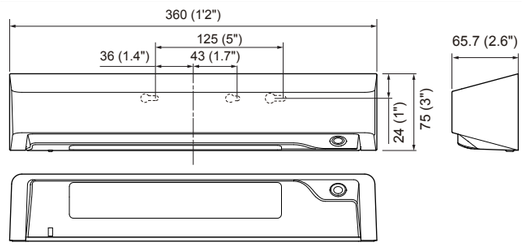
Bluetooth®

| Specifications

Model	VVS-1(BL)	
Mounting height	2.2 to 4.2m (7'3" to 13'10") (Maximum height depends on the header sensor)	
Detection method	Image recognition (Vector focus method)	
Power supply	24VDC (Dedicated power supply Rating input : 85 to 264VAC 1φ Output voltage: 24VDC)	
Power consumption	< 5.5W	
Output	Activation output :	Form A relay 50V 0.1A Max. (Resistance load)
	Safety output :	See Operation manual of the header sensor
Output hold time	Approx. 0.5sec.	
Operating temperature	-10°C to 50°C (14°F to 122°F)	
LAN specification	10/100Base -T (X)	
Communication method	Bluetooth 4.1	
Weight	560g (20oz)	
Accessories	1 Cable 3m (9'11") , 1 Mounting template , 1 manual set (Operation manual, Web setting manual and App User guide) , 1 Mounting plate , 2 Mounting plate fixing screws, 1 Header sensor fixing screw (Attached to the main body) , 1 Protection seal set	

* Pedestrian detection may become unstable due to ambient illuminance.
* Although the VVS-1 uses a built-in camera for the detection principle, the device does not have any recording function.

| Outer dimensions and part names [mm(inch)]



| color variation

Black

| OPTIONS (sold separately)

• OA-PRESENCE TN

• Power supply
• 24 V / 15 W power supply
• 24 V / 30 W power supply

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Before Purchasing

●Products listed in this catalog are not intended as a means to prevent theft, disasters, or other accidents. OPTEX assumes no responsibility for damages caused by theft, disasters, or other accidents that may occur. ●Content in this catalog is current as of December 2017. Specifications, appearances, and other product details may be changed without notice for improvement purposes. ●Colors may differ slightly between printed images and the actual object. We appreciate your understanding.

⚠ Safety Precautions / Usage Precautions

●Before using the product, read the instruction manual carefully to ensure proper use.

Requests/Inquiries

OPTEX CO., LTD.

5-8-12, Ogoto, Shiga, 520-0101 Japan
TEL.+81-77-579-8670 FAX.+81-77-579-8190
URL www.optex.net

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OPTEX
Sensing Innovation

A New Sensing Solution.
Image-Recognition Automatic Door Sensor

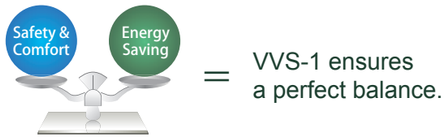
VVS-1(BL)

www.optex.net

Improving the hospitality of automatic doors.
OPTEX's VVS-1 embodies the perfect balance of safety and comfort.

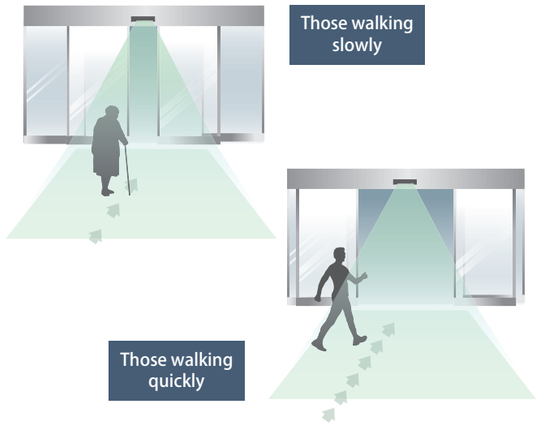
| VVS-1 Advantages

VVS-1 uses image technology to detect the walking speed and direction of those nearby, ensuring automatic doors open and close at just the right time for each walker. This allows not only for safe, comfortable passage through the doors but also helps improve energy efficiency through reductions in unnecessary openings/closings by keeping the automatic doors closed when pedestrians are merely crossing in front.



= VVS-1 ensures a perfect balance.

Safety and comfort through automatic door opening/closing according to the speed of walkers

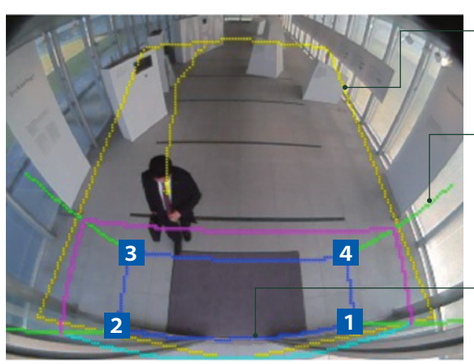


VVS-1 is able to accurately recognize the speed at which someone approaches the automatic doors, allowing for faster or slower-than-usual openings for those walking. This ensures the optimum open timing for pedestrians and allows for safe, comfortable passage through the doors.

Energy-saving doors that do not open for cross traffic

Reducing the number of times the doors are opened unnecessarily allows for improved air conditioning efficiency by keeping the doors closed unless absolutely needed.

| Area-Specific Image recognition area



Human recognition area

The image-processing system recognizes the presence of people in this area.

e-Tracker Area

The image-processing system treats this area as a presence detection area just as with conventional automatic door sensors. The information obtained in this area is used to show the energy efficiency savings by comparing VVS-1 performance with that of conventional sensors.

Door Position

The image-processing system determines how wide to open the automatic doors.

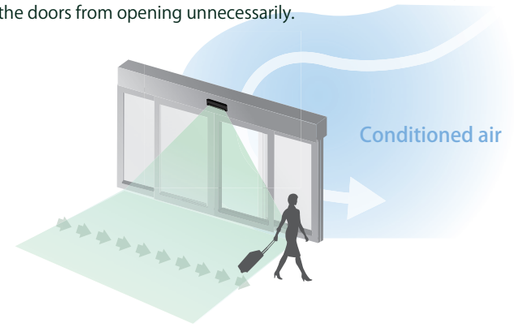
| Easy Verification of Energy Efficiency via Smartphone

Automatic doors with conventional sensors

The sensor directs the doors to open whenever a person enters the detection area, regardless of the direction.

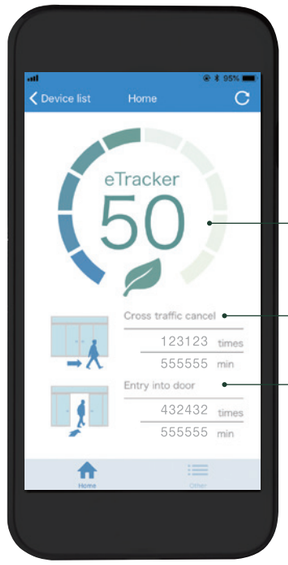
Automatic doors with VVS-1

VVS-1 detects the direction of those in the detection area, preventing the doors from opening unnecessarily.



VVS eTracker

OPTEX's dedicated smart device app is designed to allow VVS-1 users to compare the energy efficiency of doors equipped with VVS-1 and conventional automatic door sensors. Simply download the app to check effectiveness easily and at any time.



e-Tracker

OPTEX's original index showing the contribution ratio to the environment compared to conventional sensors. The larger the index becomes, the more contribution the sensor makes.

Cross Traffic Cancel

It indicates the total times of reduced door opening and the number of cross traffic cancel when it is compared to conventional sensors.

Entry to door

It indicates the total times and the number of door opening.

Download from the App Store

●To download:
Search for "VVS eTracker" in the App Store.

Supported devices: iPhones, iPads, and iPod touches running iOS 8.0 or later.
* The app is free to download. However, data charges may apply.