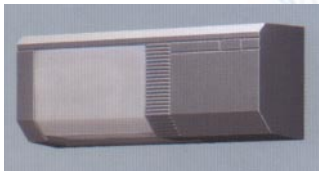


PASSIVE INFRARED SENSOR

PS-520E (White/Silver)



Silver



TAKEX®

Request-to-Exit Sensor

Designed for applications involving coverage at the threshold of a doorway, the TAKEX Passive Infrared Sensor detects the differential between a human body and the floor. It features several field selectable options and adjustments to make it the ideal choice for access control applications, door strike release, alarm system shunting and automatic door operation.

Features

- **TOTALLY STABLE, TOTALLY RELIABLE**
Dual pyroelectric for increased stability against external light. Special circuitry provides high immunity to RFI and other electrical noise.
- **ADJUSTABLE COVERAGE AREA**
Angle adjustment from vertical down to 35° in front of door.
- **ADJUSTABLE SENSITIVITY**
Increase or decrease to suit your site needs.
- **SINGLE OR DOUBLE DOOR COVERAGE**
The two position mirror provides coverage of single and double doors.
- **ADJUSTABLE RELAY TIMER**
0.25 to 60 second adjustment for relay hold time.
- **TWO RELAY OUTPUTS**
Both normally open/normally closed.
- **HEAVY DUTY RELAY OUTPUT**
Relays drive up to 1 amp of current for controlling door strikes and magnetic locks.
- **FAIL SAFE - FAIL SECURE**
Selectable by DIP Switch.
- **OTHER FEATURES**
 - Overhead or wall mount
 - Compact design in White or Silver

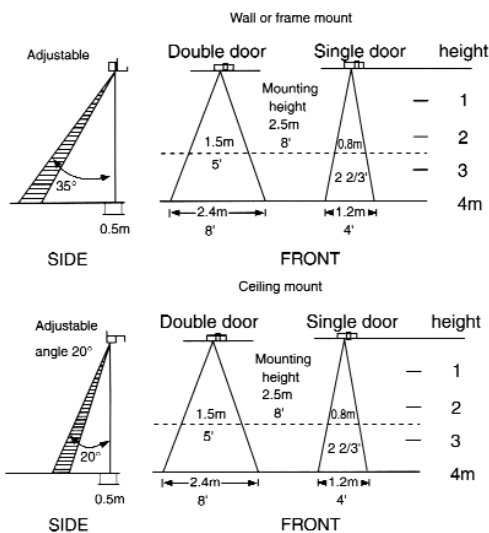
Specifications

Model	Passive Infrared Sensor	
Model Number	PS-520E(W)	PS-520E(S)
Detection System	Passive Infrared	
Detection Area	13' (4m) max. mounting height Single (Door) or Double (Door), selectable pattern Adjustment range: wall mount vertically 35°, overhead mount vertically 20° Adjustable sensitivity	
Power Supply	12 to 24VDC (Non polarity) or 12 to 24VAC (50Hz/60Hz) (When operated at AC20 to 24V connect attached resistor).	
Power Consumption	40mA or less/DC	70mA or less/AC
Output	Dry Contact relay 2°C: One shot Operation Hold time: Adjustable approx. 0.25sec to 60sec Contact Capacity: 30V (DC) 1A or less 125V (AC) 0.6A or less Selectable relay operation: Fail-safe, Fail-secure	
LED	Green Operation: synchronous dry contact relay (LED disabled)	
Wiring Connection	Terminals	
Ambient Temp. Range	+14°F to +122°F (-10°C to +50°C) without condensation	
Mounting Position	Wall, ceiling on or under frame (indoor)	
Weight	5.95 oz (170g)	
Appearance	White body (ABS Resin) White window (PE Resin)	Silver body (ABS Resin) White window (PE Resin)
Accessories	<ul style="list-style-type: none"> Tapping Screw: 2 pcs Cover Lock Screw: 1 piece Resistor: 1 piece (connect when operated at AC20 to 24V) (82Ω, 3W). 	

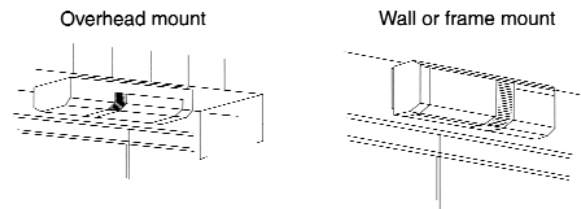
Due to ongoing product improvements, specifications may change without notice.

Detection Area

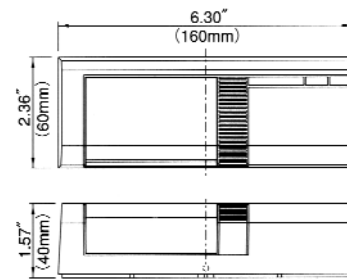
The PS-520E detects the temperature differential between a human body and the floor. The unit can be precisely set for the detection area desired.



Installation



External Dimensions



The passive infrared sensor is designed to detect infrared energy variations caused by the presence of a human body. Therefore, note that similar variations in conditions in detection area, due to other reasons, may cause the sensor to create an alarm as it is unable to distinguish between sources.

Please note: This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary-preventing device. TAKEX is not responsible for damage, injury or losses caused by accident, theft, Acts of God (including inductive surge by lightning), abuse misuse, abnormal usage, faulty installation or improper maintenance.



TAKEX Europe Ltd.

Aviary Court, Wade Road
Basingstoke, Hants RG24 8PE, U.K.
Tel: 44 (1256) 475555
Fax: 44 (1256) 466268
Email: sales@takexeurope.com
Website: www.takexeurope.com

PS-520E DS-10 04
(CRI-168)