



ENGLISH

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MANUFACTURER'S STATEMENT

DITEC hereby declares that the PASM243 and PASM24W3 are in conformity with the basic requirements and the other relevant provisions of the directives 1999/5/EC. The complete declaration of conformity is available on our web site www.ditec.it Read this operation manual carefully before use to ensure proper operation of this product.

Failure to read this operation manual may cause improper operation and may result in serious injury or death of a person. The meanings of the symbols are as follows. Please study the following first and then read the contents of this

	Disregard of warning may cause the improper operation causing death or serious injury of a person.
A CAUTION	Disregard of caution may cause the improper operation causing injury of person or damage to objects.
NOTE	Special attention is required to the section of this symbol.

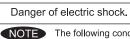
NOTE

installed.

- 1. This sensor is a non-contact switch intended for header mount / ceiling mount of an automatic door Do not use for any other applications.
- 2. When setting the sensor's detection area, make sure there is no traffic around the installation site
- 3. Before turning the power on, check the wiring to prevent damage or malfunction of equipments that are connected
- 4. Only use the sensor as specified in the operation manual provided.
- 5. Be sure to install the sensor in accordance with the local laws and standards of the country in which the sensor is
- 6. Before leaving the job site make sure that the sensor is operating properly and instruct the building owner/operator on proper operation of the door and the sensor.
- 7.The sensor setting can only be changed by an installer or service engineer. When changed, register the changed setting and dates in the maintenance logbook accompanying the door.

<u>✓!</u> WARNING	Doi	
Danger of electric shock.		

not wash, disassemble, rebuild or repair the sensor, otherwise nay cause electric shock or breakdown of equipments.



The following conditions are not suitable for the sensor installation.

-Vibrating header or mounting surface. -Waterdrops or snow on the sensor

-Moving objects, steel plate, emergency lights or illumination in the detection area or in vicinity.

SPECIFICATIONS

: PASM243 / PASM24W3 Model Cover color : Silver / Black : 2.0 (6'7") to 3.5m (11'5") Mounting height Microwave doppler effect Detection method

Power frequency Power density <20dBm Detection area Vertical adjustment

Horizontal adjustment Power supply Power consumption Minimum speed

Operation indicator

: 24.125GHz See Detection area : +10° to +70° (Header mount) +20° to +80° (Ceiling mount) : 30° to left or right 12 to 24VAC(±10%) 12 to 30VDC(±10%) < 1.5W(<2VA at AC) : 5cm(1 15/16")/sec. : Green / Stand-by Red / Detection Green blinking / Set-up

Output

: Form C relay : 0.5sec. / 2.0sec

Output hold time Response time Operating humidity Operating temperature IP rate

Weight

50V 0.3A Max.(Resistance load)

<0.3 sec. <80% -20°C to +55°C(-4°F to 131°F)

IP54 140g (4.9oz) 1 Cable 3m (9'10")

1 Operation manual 2 Mounting screws 1 Mounting template 1 Narrow lens

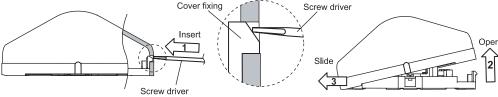
* At the back of housing cover

NOTE The specifications herein are subject to change without prior notice due to improvements.

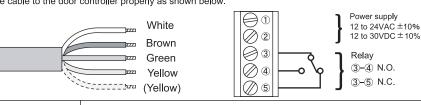
OUTER DIMENSIONS AND PART NAMES 97 (3 13/16") 3/8 7 1. Antenna 131 (5 3/16") 2. Sensitivity potentiometer 3. Mounting holes 4. Dipswitches 3/16" 5. Wiring hole 6. Narrow lens 7. Operation indicator mm(inch) 2 *Narrow lens is stored 8. Terminal block at the back of housing cover.

INSTALLATION

- 1. Affix the Mounting template at the desired mounting position.
- 2. Drill 2 Mounting holes of ø3.4mm (ø1/8").
- 3. To pass the cable through to the header, drill a Wiring hole of ø8mm (ø5/16").
- 4. Remove the Mounting template.
- 5. Remove the Housing cover with screw driver as shown below. Attach the sensor to the mounting surface with 2 Mounting screws.



Wire the cable to the door controller properly as shown below White Brown



/IN WARNING Danger of electric shock. Before starting the procedure, ensure that the power is turned OFF When passing through the cable to the hole, make sure not to tear the shield otherwise it may cause electric shock or breakdown of the sensor.

1.Plug the connector of the sensor.

If wiring is to be exposed, break the knockout.

2. Supply power to the sensor and the sensor will automatically start the set-up mode with blinking Green.

3.Adjust the detection area and set the Dipswitches. (See ADJUSTMENTS) NOTE Make sure to connect the cable correctly to the door controller before turning the power ON.

The sensor does not detect objects for 10 seconds after supplying power. Hook the Housing cover on the left side of main body to place the Housing cover.

WARNING Danger of electric shock.

Do not use the sensor without the Housing cover.

When using the cable knockout, install the sensor indoors or use the rain-cover (Separately available) otherwise electric shock or breakdown of the sensor may occur

ADJUSTMENTS

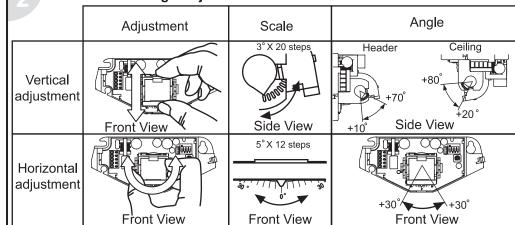
Detection area Adjust the detection area with Sensitivity potentiometer Wide area Narrow area 1000 2000 3000 (9' 10") 4000 (13' 1")

3000 2000 1000 0 4000 3000 2000 1000 0 1000 2000 3000 4000 3000 2000 1000 0 100 (13' 1")(9' 10")(6' 7")(3' 3") (3' 3")(6' 7")(9' 10")(13' 1") (9' 10")(6' 7")(3' 3") (3' NOTE) When the sensor is mounted at higer than 3.0m, set the SENSITIVITY to "H (high)". 1000

3000

Detection area angle adjustment

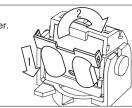
1000 2000



/!\ CAUTION Do not touch electric part of the sensor to avoid possible breakdown of the sensor.

Narrow area

To obtain Narrow area, place Narrow lens attached at the back of housing cover To place Narrow lens, follow step1&2 as shown on the right.



Mounting height:2.2m(7'3") Vertical adjustment : +34°

0

1000

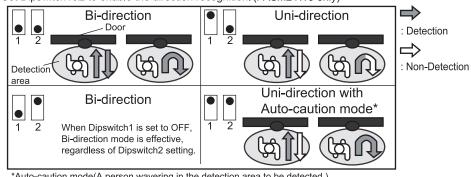
(3' 3") 2000 (6′ 7″)

3000

4000

Dipswitches settings

Set Dipswitch1&2 to enable the direction recognition. (PASM24W3 only)



Auto-caution mode(A person wavering in the detection area to be detected.)

Dipswitch3:Output hold time 0.5sec. 2.0sec

Dipswitch4:Immunity

If there is external interference, set Dipswich 4 to ON.

INFORM BUILDING OWNER / OPERATOR OF THE FOLLOWING ITEMS

∕!\ WARNING

- 1. Always keep the housing cover clean. If dirty, wipe the housing cover lightly with a cloth.
- (Do not use any cleaner or solvent.) 2. Do not wash the sensor with water.
- 3. Do not disassemble, rebuild or repair the sensor yourself, otherwise electric shock may occur.
- 4. Always contact your installer or service engineer when changing the settings
- 5. Do not paint the housing cover.

- 1. When turning the power ON, always walk-test the detection area to ensure proper operation.
- 2. Do not place any objects that move or emit light in the detection area. (e.g. Plant, illumination, etc.)

CHECKING

Check the operation according to the chart below.

Sensor Status	Power OFF	Set-up (Approx. 10sec.)	Stand-by	Detection
Operation indicator	OFF	Green blinking	Green	Red
Output Contact	3 4 5	3 - 4 5	3 - 4 5	\$\bigc\tag{3}{4}\$ \$\bigc\tag{5}\$

TROUBLESHOOTING

Problem	Operation indicator	Possible cause	Possible countermeasures	
Door does not open when a person enters the detection area.	None	Wrong power supply voltage.	Set to the stated voltage.	
	Unstable	Wrong wiring or connection failure.	Check the wiring and Terminal block.	
	Green	Sensitivity is too low.	Set the sensitivity higher.	
		Wrong detection area positioning.	Check ADJUSTMENTS.	
	Green blinking	The sensor is being set up.	Wait for the set-up to complete.	
Door opens when no one is in the detection area. (Ghosting)	Red	Water drops on the housing cover.	Wipe the housing cover with a cloth.	
		The detection area is overlaping with the door.	Adjust the detection area away from the door. Or set Dipswitch4 to ON.	
		Sensitivity is too high.	Set the sensitivity lower.	
		Raining or snowing.	Set Dipswitch1 to ON.(OM-106C Only) Or Dipswitch4 to ON.	
Door remains open	Green	Wrong wiring or connection failure.	Check the wiring and Terminal block.	

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