# Specifications Ver.1.1 Product Name PIR MOTION SENSOR "PaPIRs" Model No. EKMB139111□K Page: 1

## 1.Product Name

PIR MOTION SENSOR "PaPIRs"

WL series Slight motion detection type (6µA / Digital output)

#### 2.Model Number

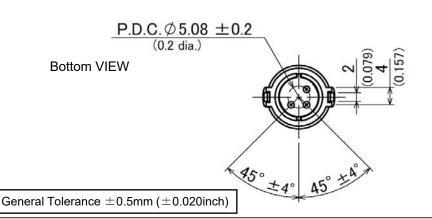
Lens Color	Model Number
White	EKMB1391111K
Black	EKMB1391112K
Pearl White	EKMB1391113K

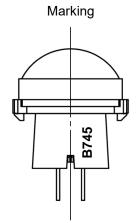
### 3.Dimensions

Top VIEW



Side VIEW  $\frac{16.6}{0.654}$   $\frac{0.654}{0.575 \text{ dia}}$   $\frac{46.0}{0.575 \text{ dia}}$   $\frac{7.1}{0.018 \text{ dia.}}$ 





 $\frac{B}{a} \frac{7}{b} \frac{45}{c}$ 

a) The Marking which was shown by a list shown below

Marking	Model Number
A	EKMC169111□
В	EKMB139111□K
С	EKMB119111□
D	EKMB129111□
E	EKMB269111□
F	
G	EKMC269111□K
Н	EKMC469111□K
I	
J	
K	

- b) Last-digit of the year (Ex:2017=7,2018=8,...)
- c) Lot No.

1<sup>st</sup> week of Jan. will be 01, and further No. of 02,03, will continue up to 53.



SECTION A-A

Panasonic C	Corporation
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Issued on Mar. 29th,2018

Approved by	
Checked by	
Designed by	

Specifications				Ver.1.1
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#### 4.Characteristics

#### 4-1 Detection Performance

Conditions for measuring: Ambient temperature=25°C(77° F) Operating voltage=3VDC

	Temperature difference	Value	Conditions concerning the target	
(Note1) 8°C(14.4° F) Max 3.5m		Max 3.5m	1.Movement speed: 0.5m/s	
Range	4°C(7.2° F)	Max 2.5m	2.Target concept is human head (Object size:Around 200×200mm)	

Note1:Depending on the temperature difference between the target and the surroundings, detection range will change.

		Value	Notes
Detection Area	Horizontal	97° (±48.5°)	
	Vertical	97° (±48.5°)	Refer to the section 4-5.
	Detection zones	112	

#### 4-2 Maximum Rated Values

	Value	Unit
Power Supply Voltage	-0.3~4.5	VDC
Usable Ambient Temperature	-20∼+60°C (-4∼+140° F)  Do not use in a freezing or condensation environment	
Storage Temperature	-20∼+70°C (-4∼+158° F)	

#### 4-3 Electrical Characteristics

Conditions for Measuring: Ambient temperature=25°C(77°F)

	Symbol	Min	Avg.	Max	Unit	Special mention
Operating Voltage	Vdd	2.3	_	4.0	VDC	_
Electrical Current Consumption	lw	_	6	12	μA	lout=0
Output Current	lout	_	_	100	μA	Vout≧Vdd−0.5
Output Voltage	Vout	Vdd-0.5		_	VDC	_
Circuit Stability Time (when voltage is applied)	Twu	_	_	10	S	This is when temperature of the sensor is stable.

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**Panasonic Corporation**