Specifications				Ver.1.1
Product Name	PIR MOTION SENSOR "PaPIRs"	Model No.	EKMB130611□K	Page: 1

1.Product Name

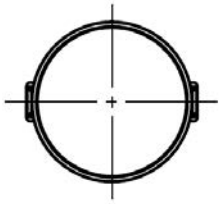
PIR MOTION SENSOR "PaPIRs"
WL series・High density long distance detection type （6μA / Digital output）

2.Model Number

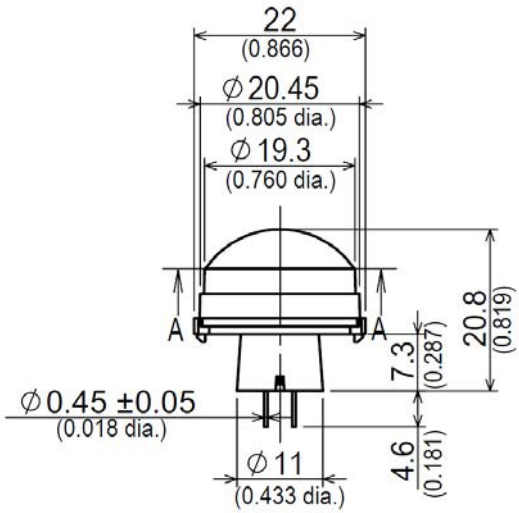
Lens Color	Model Number
White	EKMB1306111K
Black	EKMB1306112K
Pearl White	EKMB1306113K

3.Dimensions

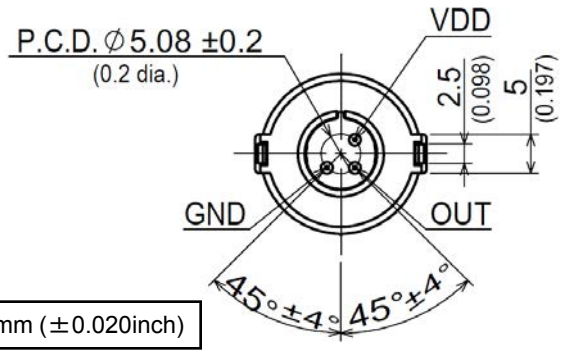
Top VIEW



Side VIEW

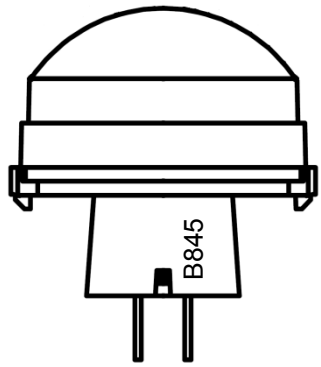


Bottom VIEW



General Tolerance ±0.5mm (±0.020inch)

Marking



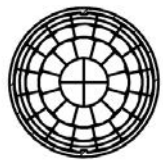
B 8 45
a) b) c)

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

Marking	Model Number
A	EKMC160611□
B	EKMB130611□K
C	EKMB110611□
D	EKMB120611□
E	EKMB260611□
F	
G	EKMC260611□K
H	EKMC460611□K
I	
J	
K	

b) Last-digit of the year
(Ex:2010=0,2011=1,…)

c) Lot No.
1st week of Jan. will be 01, and further No. of 02,03, will continue up to 53.



SECTION A-A

Panasonic Corporation	Approved by	
	Checked by	
Issued on Mar. 23rd,2018	Designed by	

4.Characteristics

4-1 Detection Performance

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

	Temperature difference	Value	Conditions concerning the target
(Note1) Detection Range	8℃(14.4° F)	Max 17m	1.Movement speed: 1.0m/s 2.Target concept is human body (Object size:Around 700×250mm)
	4℃(7.2° F)	Max 12m	

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

		Value	Notes
Detection Area	Horizontal	62° (±31°)	Refer to the section 4-5.
	Vertical	62° (±31°)	
	Detection zones	128	

4-2 Maximum Rated Values

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

4-3 Electrical Characteristics

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

	Symbol	Min	Avg.	Max	Unit	Special mention
Operating Voltage	Vdd	2.3	—	4.0	VDC	—
Electrical Current Consumption	Iw	—	6	12	μA	Iout=0
Output Current	Iout	—	—	100	μA	Vout≧Vdd−0.5
Output Voltage	Vout	Vdd−0.5	—	—	VDC	—
Circuit Stability Time (when voltage is applied)	Twu	—	—	10	s	—