

Specifications

Ver.1.1

Product Name

PIR MOTION SENSOR "PaPIRs"

Model No.

EKMC260511□K

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4-3 Maximum Rated Values

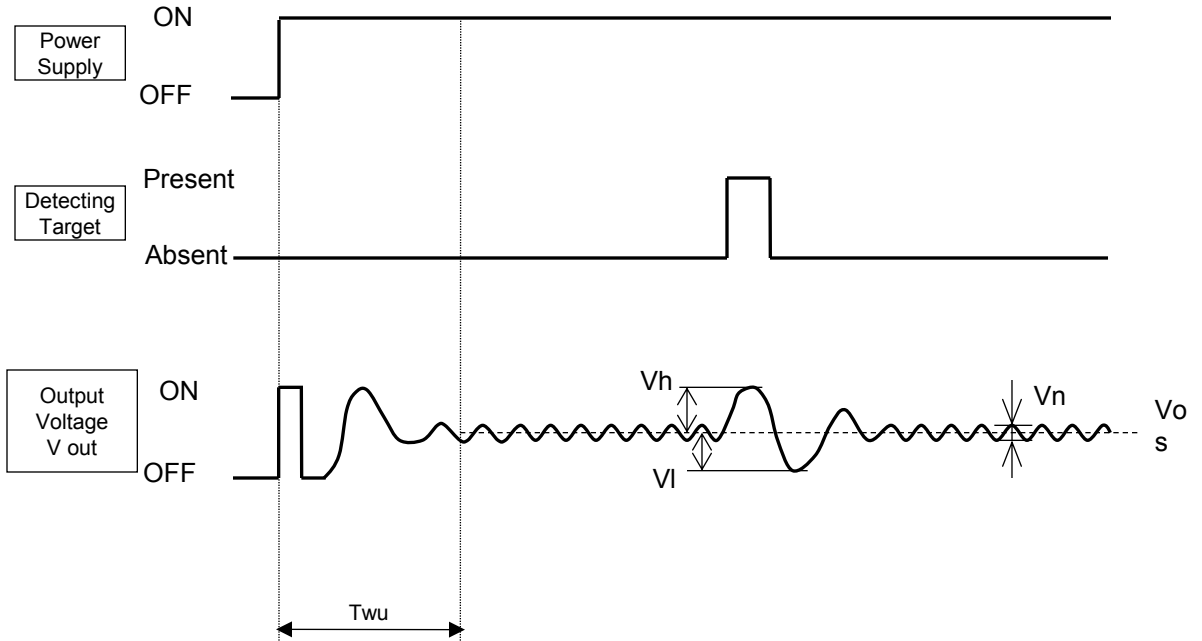
	Value	Unit
Power Supply Voltage	-0.3~7.0	VDC
Usable Ambient Temperature	-20~+60°C (-4~+140° F) Do not use in a freezing or condensation environment	
Storage Temperature	-20~+70°C (-4~+158° F)	

4-4 Electrical Characteristics

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

Subject	Symbol	Min	Avg.	Max	Unit	Special mention
Operating Voltage	Vdd	3.0	—	5.5	VDC	—
Electrical Current Consumption	Iw	—	170	350	μA	Iout=0
Output Current	Iout	—	—	200	μA	—
Analog Output Saturated Voltage	High	Vh	1.9	—	V	—
	Low	Vl	—	0.2	V	—
Output offset average voltage	Vos	1.0	1.1	1.2	V	Steady-state output voltage when not detecting.
Steady-state noise	Vn	—	80	150	mV	—
Circuit Stability Time (when voltage is applied)	Twu	—	—	30	s	—

4-5 Timing Chart



【Durations】

T_{wu} : Circuit Stability Time: About 30s. (max.)

During this stage, the output's status is undefined (ON/OFF) and detection is therefore not guaranteed.