

Specifications

Ver.1.1

Product Name

PIR MOTION SENSOR "PaPIRs"

Model No.

EKMC260511□K

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4-3 Maximum Rated Values

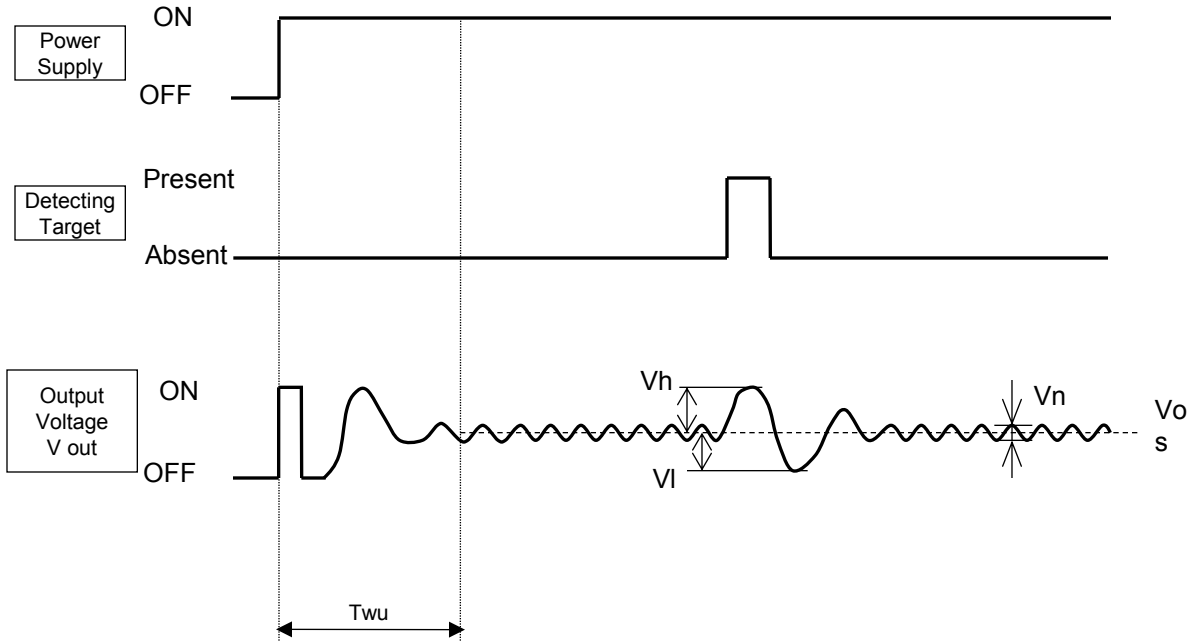
| | Value | Unit |
|----------------------------|--|------|
| Power Supply Voltage | -0.3~7.0 | VDC |
| Usable Ambient Temperature | -20~+60°C (-4~+140° F) Do not use in a freezing or condensation environment | |
| Storage Temperature | -20~+70°C (-4~+158° F) | |

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.