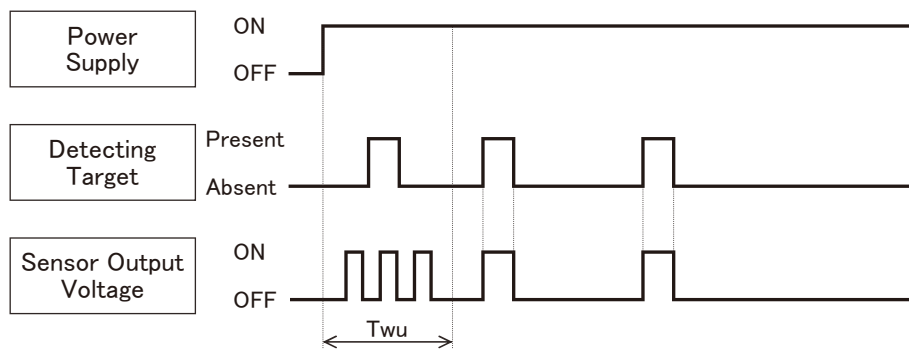


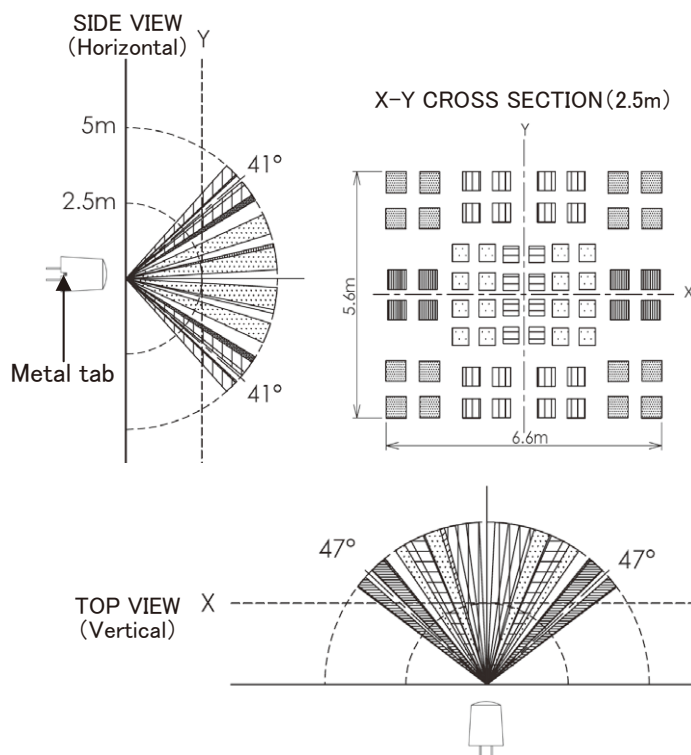
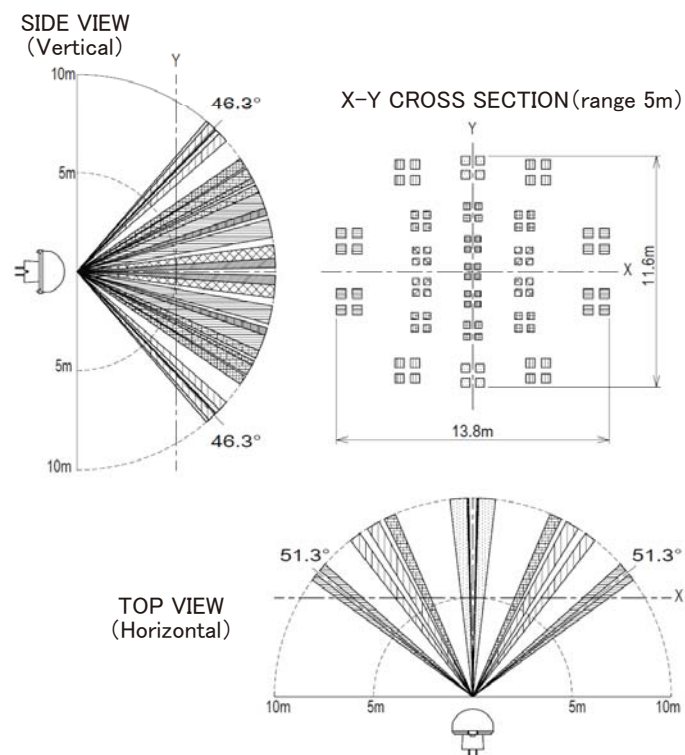
3. Electrical Characteristic

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

Items		Symbol	VZ series	Measured Conditions
Operating Voltage	Min.	Vdd	3.0V DC	—
	Max.		6.0V DC	—
Electrical Current Consumption	Avg.	Iw	170 μ A	Iout=0
	Max.		300 μ A	
Output Current	Max.	Iout	100 μ A	Vout $\geq$ Vdd-0.5
Output Voltage	Min.	Vout	Vdd-0.5VDC	—
Circuit Stability Time (When voltage is applied)	Avg.	Twu	—	—
	Max.		30s	

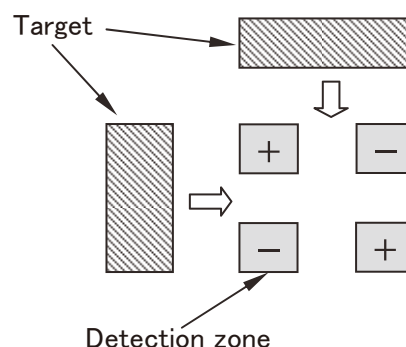
TIMING CHART**1. Digital Output****[Durations]**

Twu : Circuit Stability Time: About 30s. (Max.)
 During this stage, the output's status is undefined (ON/OFF) and detection is therefore not guaranteed.

DETECTION PERFORMANCE**1) Standard detection type****2) Long Distance detection type**

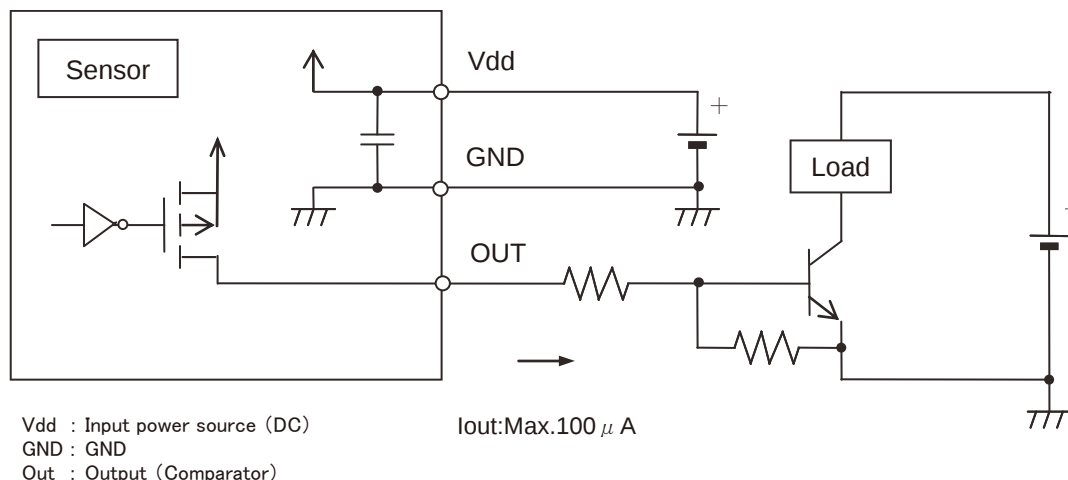
2. Notes Regarding the Detection Zone

As shown on the diagram, the detection zone is polarized.
If a target enters the detection zones + and - at the same time, the signals are respectively cancelled and detection could become impossible at maximum detection range.
(Please refer to the detection area diagram for details)



HOW TO USE

1. Wiring Diagram (Digital Output)



2. Moving Direction Concept

As detailed on the diagram, please install the sensor so that the expected trespassing direction corresponds to the axis X or axis Y.

In some cases, intrusions that occur parallel to the axis Z in every detection zone, closing toward the sensor, may not be detected.

