4-3 Maximum Rated Values

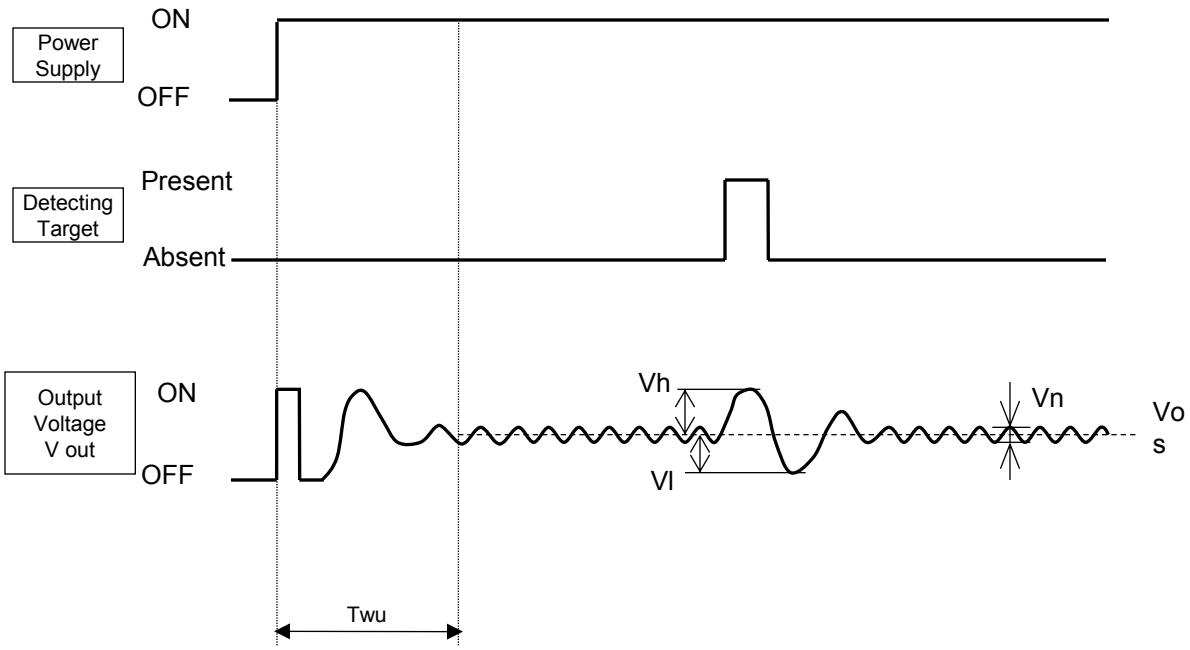
	Value	Unit
Power Supply Voltage	-0.3～7.0	VDC
Usable Ambient Temperature	-20～+60℃ (-4～+140° F) Do not use in a freezing or condensation environment	
Storage Temperature	-20～+70℃ (-4～+158° F)	

4-4 Electrical Characteristics

Conditions for Measuring: Ambient temperature : 25℃(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】

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