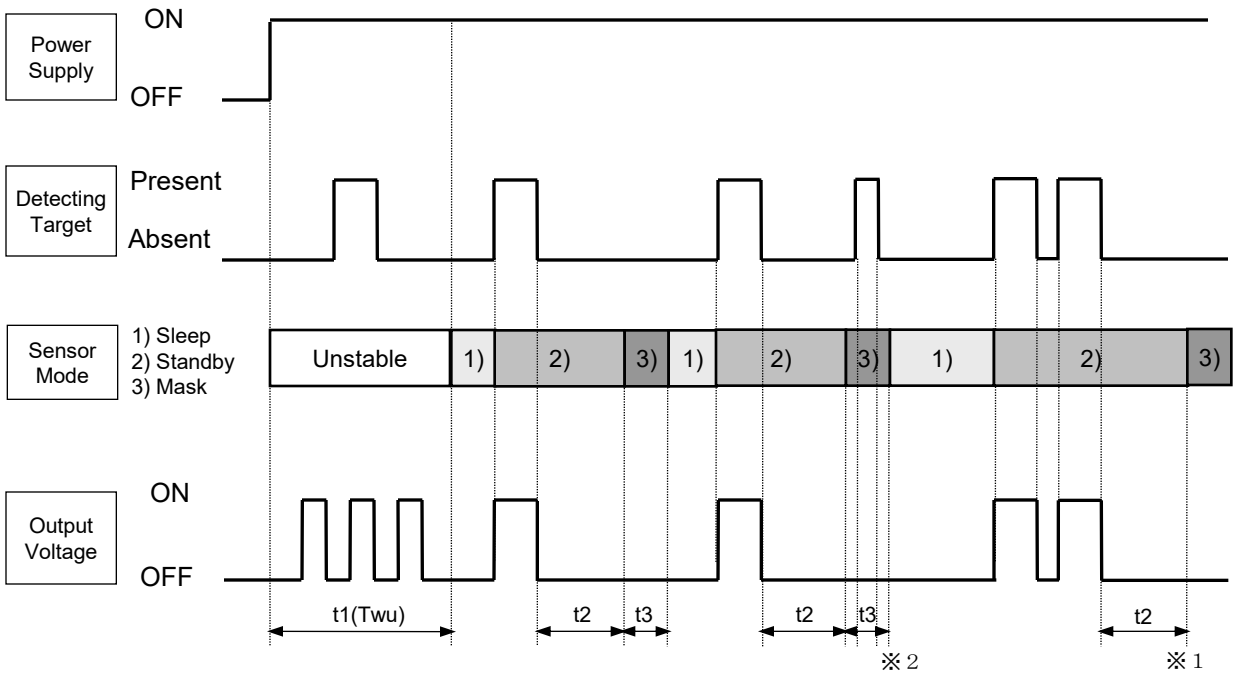
4-4 Timing Chart



【Modes】

1) Sleep Mode : When the output is OFF. The electrical current consumption is around 1μA.

2) Standby Mode : After the sensor's output reached ON status, the sensor switches to standby mode. The electrical current consumption gets close to 1.9μA . When the sensor's output returns to its OFF value after expiration of the "hold time", the sensor switches again to sleep mode.

3) Mask Mode : Time during which the output is forced to OFF after the end of the standby mode. (no detection is possible during this period.)

【Durations】

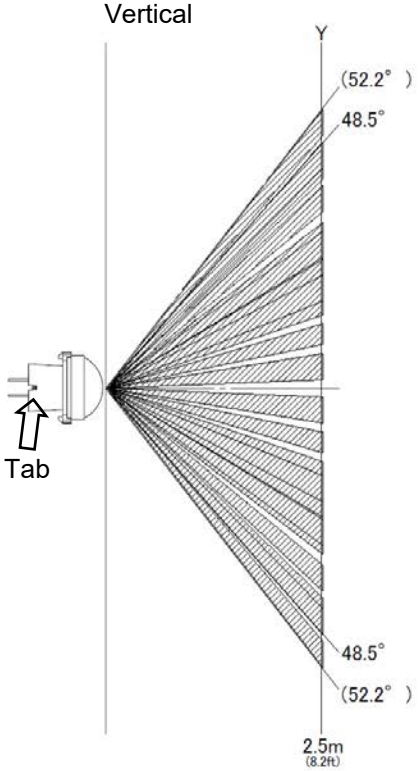
t1(Twu) : Circuit Stability Time: About 25s. (typ.)
During this stage, the output's status is undefined (ON/OFF) and detection is therefore not guaranteed.

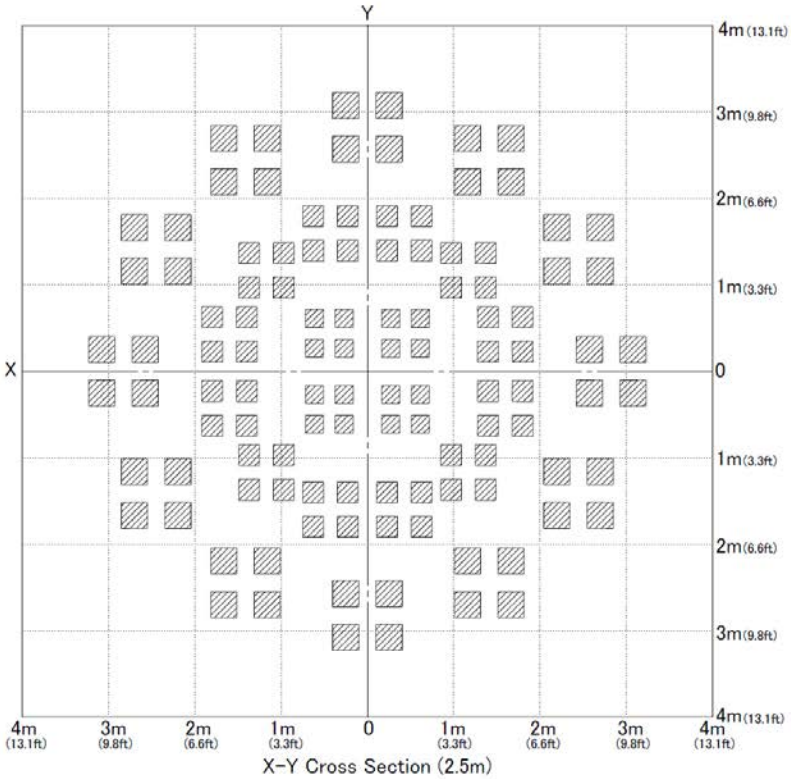
t2 : Standby Hold Time: About 2.6s (typ.)
Depending on the number of output happening during standby mode, the hold time can differ (※1)

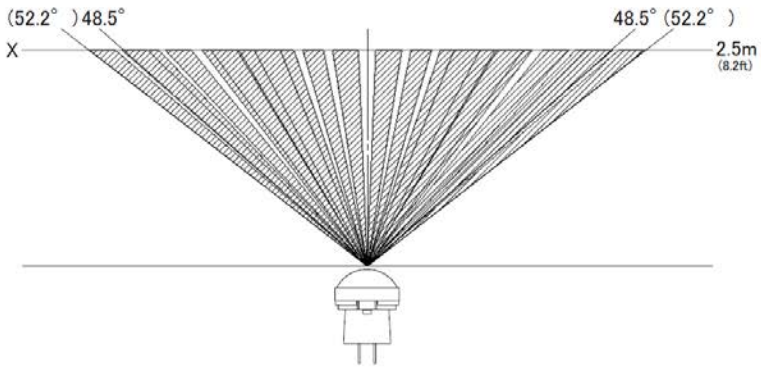
t3 : Mask Time About 1.3s (typ.)
During this stage, even if the sensor detects something, output will not switch to ON. (※2)

4-5 Detection Area

Vertical





X-Y Cross Section (2.5m)

Horizontal