PIR and NCS36000 Amplifier

C7, R6, and R7 set the oscillator frequency of the NCS36000. 
Eq: C7=100nF, R6+R7=220k, Osc Freq = 62.5 Hz. Higher resistance = higher frequency

UCC Range: 3.0 - 5.75V

Connectors

Single/Dual Pulse Mode Select

MODE selects the pulse-count mode.
* Single-pulse (MODE=LOW): OUT will trigger if either comparator toggles and de-glitch time is appropriate length.
* Dual-pulse (MODE=Vdd): Requires two pulses - one from each comparator - within 312 clock cycles.

LED Activity Indicator

The LED_EN pin enables the LED output when motion has been detected. It’s active-low. During start-up the LED will toggle regardless of LED_EN’s state.

Lens

PIR Lens
CWM 0.5 GI V1
2CW105G1V1 - Ceiling mount array 360° oval
or wall mount array 100°, 8m range.
Wall or ceiling mount for medium room

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