

10.525 GHz Microwave HF Sensor Switch & Dimmer, 5 VDC, 15 m Mounting Height

OVERVIEW

The E-W-SEN-HF-5V is a 10.525 GHz active microwave motion sensor with integrated daylight sensing, designed for indoor luminaire control in commercial and industrial applications. Operating on 5 VDC, it outputs a 5 V level or PWM signal and supports ceiling mounting up to 15 m and a detection zone up to 20 m in diameter. Three operating modes are field-selectable via a push-and-hold SET button: non-dimming switch, two-step dimming switch, and constant illumination control. Detection area, hold time, and daylight threshold are each independently adjustable via dedicated knob potentiometers.

Power consumption is under 0.5 W in standby and under 1 W in operation. The sensor detects motion through plastic, glass, and thin non-metallic materials, with a detection angle of 150° in wall-mount configuration and 360° in ceiling-mount configuration. Motion speed detection range is 0.5–3 m/s. Daylight threshold is selectable from 10 to 200 lux (plus Disable), and hold and stand-by times are independently configurable from 10 seconds to 30 minutes. The unit is rated for indoor use only.

SPECIFICATIONS

Power	1 W	Dimensions	67.0 x 73.5 x 42.5 mm
Input voltage	5 V		mm

MOUNTING

