

## P17117

### Internally Mounted Microwave Motion Sensor

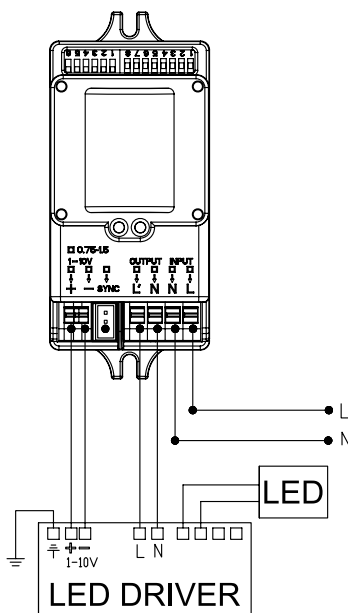


#### Typical Applications

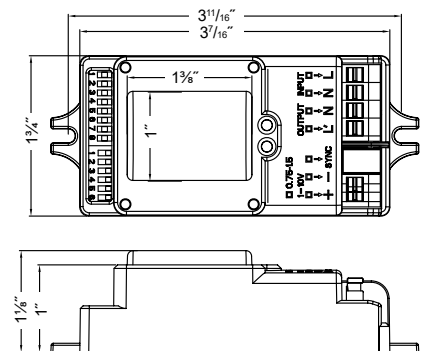
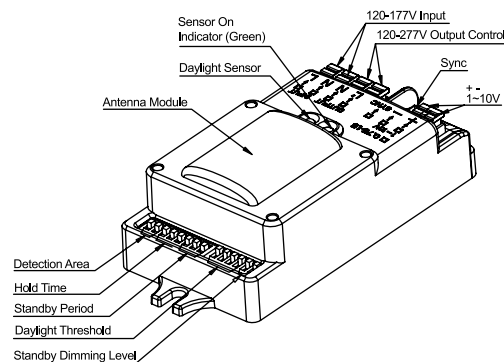


Sensor Mounts Behind Lens in VN55Q.

#### Wiring Diagram



#### Features and Dimensions



The P17117 Microwave active motion detector with a 5.8GHz HF system provides a wide range of occupancy control for ceiling, wall and pole mounted luminaires. Motion can be detected through plastic, glass and thin non-metallic materials. The sensors provide energy savings when used in combination with 1-10V dimmable LED drivers and can be programmed for up to 3-step dimming/switching functions. The sensor offers selectable range settings for heights up to 45 feet.

#### Features

- Automatic switching or dimming when used in combination with 1-10V dimmable LED drivers.
- Motion ON – Vacant OFF; Vacant – DIM then OFF; or Vacant DIM never OFF.
- Multiple vacancy and time delay settings available.
- Built-in daylight sensor that limits motion ON command when selected ambient light level is exceeded.
- Factory-Installed OPTION available in a wide variety of luminaires.
- Multiple Detection Area settings up to 45 feet mounting height and up to 50 feet in diameter.

#### Electrical Specifications

OPERATING VOLTAGE	120~277Vac, 50Hz/60Hz
RATED CAPACITIVE LOAD	120V@400W; 220-240V@800W; 277V@1000W
HF SYSTEM	5.8GHz ± 75MHz, ISM wave band
TRANSMITTING POWER	<0.5mW
POWER CONSUMPTION	≤0.5W(Standby), <1W(Operation)
DETECTION ZONE	Max.(D x H): 50ft x 45ft
DETECTION SENSITIVITY	10% / 50% / 75% / 100%
HOLD TIME	5s / 30s / 90s / 3min / 20min / 30min
DAYLIGHT SENSOR	2lux/5lux / 10lux / 25lux /50lux / 100lux / Disable
STAND-BY PERIOD	0s /5s / 5min / 10min / 30min / 1h / +∞
STAND-BY DIMMING LEVEL	10% / 20% / 30% / 50%
MOUNTING HEIGHT	45 feet Max.
MOTION DETECTION	2-10 feet/s
DETECTION ANGLE	150°(Vertical), 360°(Horizontal)
OPERATING TEMPERATURE	-35°C~70°C
IP RATING	IP20

# P17117

## Internally Mounted Microwave Motion Sensor

### Programming Settings

ON ↑ [Switch]		1	2	
	I	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
IV	-	-	10%	

### Detection area

Detection area can be adjusted by selecting the combination on the DIP switches to fit coverage for each application.

ON ↑ [Switch]		3	4	5	
	I	ON	ON	ON	5s
	II	-	ON	ON	30s
	III	ON	-	ON	90s
	IV	-	-	ON	3min
	V	ON	ON	-	20min
VI	-	-	-	+∞	

### Hold time

Refers to the time period the luminaire remains at 100% illumination after vacancy (no motion detected).

ON ↑ [Switch]		6	7	8	
	I	ON	ON	ON	0s
	II	-	ON	ON	5s
	III	ON	-	ON	5min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	ON	-	1h
VII	-	-	-	+∞	

### Stand-by period

Refers to the time period the luminaire remains at a low light level before it completely switches off if no motion is detected (Vacant – DIM to OFF mode). When set to "+∞" mode, the low light is maintained until motion is detected. (Vacant – Never OFF mode).

ON ↑ [Switch]		1	2	3	4	
	I	-	-	ON	ON	2Lux
	II	-	-	-	ON	5Lux
	III	-	ON	ON	-	10Lux
	IV	-	-	ON	-	25Lux
	V	-	ON	-	-	50Lux
	VI	ON	-	-	-	100Lux
VII	-	-	-	-	Disable	

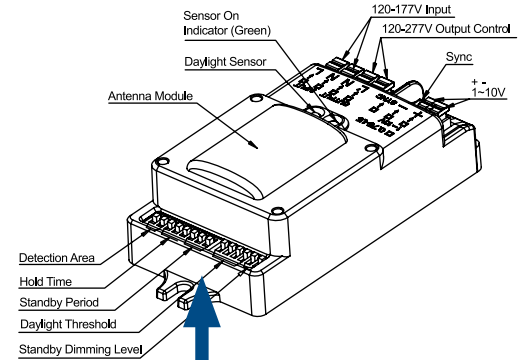
### Daylight sensor – BLOCKS Motion ON Command when light is present

The sensor can be set to only allow the luminaire to execute a Motion ON Command below a defined ambient brightness threshold. When set to disable mode, the motion sensor will execute ON Command when motion is detected regardless of ambient light level. SETTINGS: 2lux, 10Lux, 25lux, 50lux, Disabled. Note that daylight sensor is NOT an ON-OFF device.

ON ↑ [Switch]		5	6	
	I	ON	ON	50%
	II	-	ON	30%
	III	ON	-	20%
IV	-	-	10%	

### Stand-by dimming level

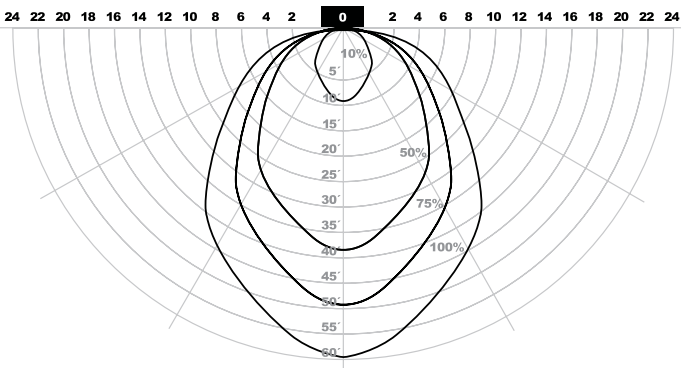
The low light level selection available for the stand-by period. Available settings are 50%, 30%, 20% and 10%.



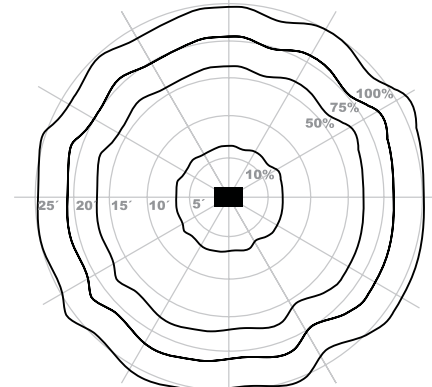
**Programming Dip Switches**

### Detection Diagrams

**Vertical Cross-Section**



**Horizontal Distribution**



Specifications subject to change without notice. Rev. 031026

