

MICROWAVE MOTION SENSOR

INSTALLATION INSTRUCTIONS



To prevent death, injury or damage to property, this product must be installed in accordance to National Electrical Code (NFPA70) in the US or Canadian Electrical Code (CSA 22.1) in Canada.

Risk of fire or electric shock. The electrical rating of these products are 120-277 Vac, the installer must determine whether they have 120-277 V at the luminaire before installation.

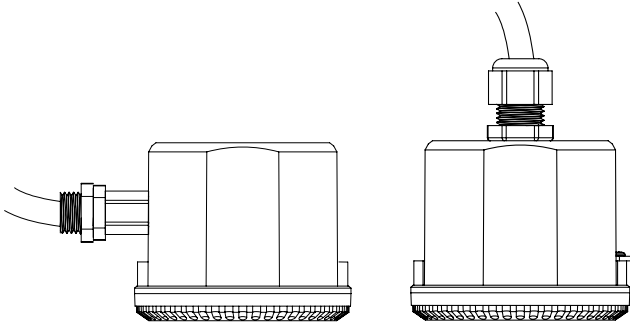
Risk of fire or electric shock. Motion Sensor installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

Disconnect power before installing the product or servicing it.

MIN. 90°C SUPPLY CONDUCTORS

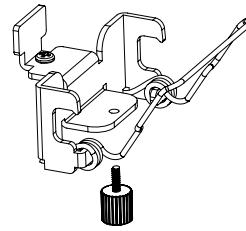
What's In The Box



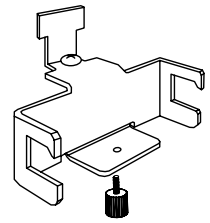
MWOS360 - OR - HBC-MWOS

(1) Microwave motion sensor

Mounting Clip Options



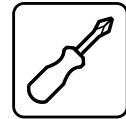
Comes with HBC-MWOS



HBC-10-MSBRACKET
(Sold separately)

Tools Needed

This microwave motion sensor requires very few tools for installation. A **screwdriver** and a pair of **wirecutters** will help to install the motion sensor.



SENSOR SETTINGS

ON ↑		1	
	I	ON	100%
	II	-	50%

ON ↑		2	3	4	
	I	ON	ON	ON	5s
	II	-	ON	ON	30s
	III	ON	-	ON	90s
	IV	-	-	ON	3min
	V	ON	ON	-	20min
VI	-	-	-	30min	

ON ↑		5	6	7	
	I	ON	ON	ON	+∞
	II	-	ON	ON	60min
	III	ON	-	ON	30min
	IV	-	-	ON	10min
	V	ON	ON	-	5min
VI	-	-	-	5s	

ON ↑		8	9	
	I	ON	ON	50%
	II	-	ON	30%
	III	ON	-	20%
IV	-	-	10%	

ON ↑		10	11	12	
	I	ON	ON	ON	Disable
	II	-	ON	-	200lux
	III	ON	-	-	100lux
IV	-	-	-	50lux	

A DETECTION AREA

Modifies the detection area of the sensor.

B HOLD TIME

Modifies the time the fixture remains at 100% illumination after no motion is detected

C STAND-BY PERIOD

Modifies the time period the fixture remains at the stand-by dimming level(see below) before it completely switches off. When set to infinity mode the dimmed level is maintained until motion is detected.

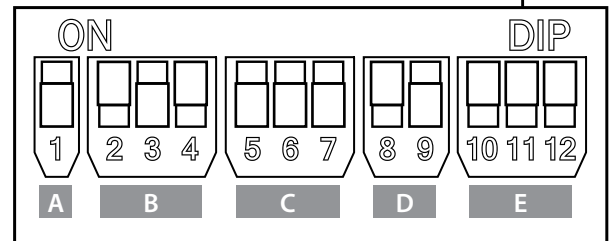
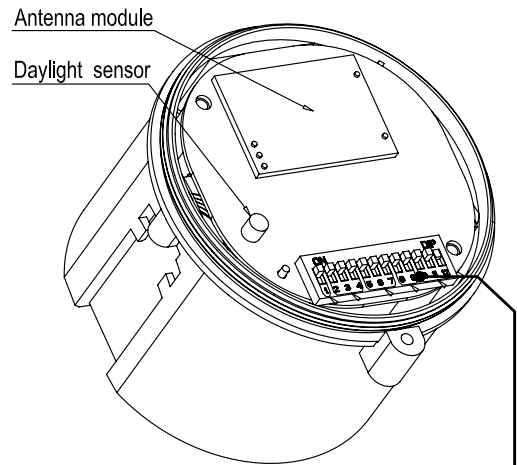
D STAND-BY DIMMING LEVEL

Modifies sets the light level of the fixture while in stand by mode.

E DAYLIGHT SENSOR

Modifies the ambient light level sensing below which the fixture will not switch on. When set to disable mode the daylight sensor will switch on the fixture when motion is detected regardless of ambient light level.

Note: The daylight sensor is active only when the luminaire is completely off.



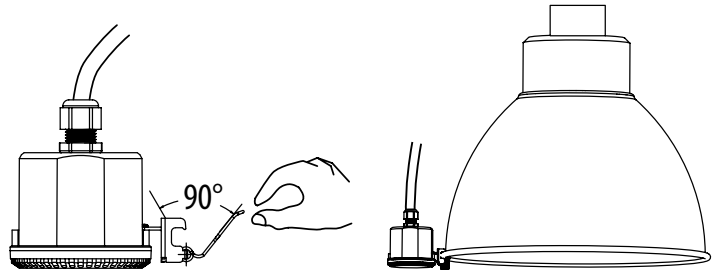
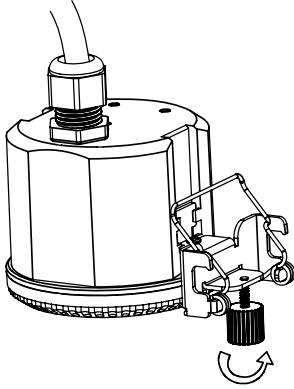
Default DIP Switch Settings *Shown Above

Unless the customer specifies a different setting the microwave sensors will ship from NICOR as shown below:

- Detection area will be set at 50% (12.5 ft. radius)
- Hold time will be set at 90 seconds
- Stand-by period will be set to 5 minutes
- Stand-by dimming level will be set to 20% dim
- Daylight sensing will be set to disabled mode.

MOUNTING CLIP W/ SPRING

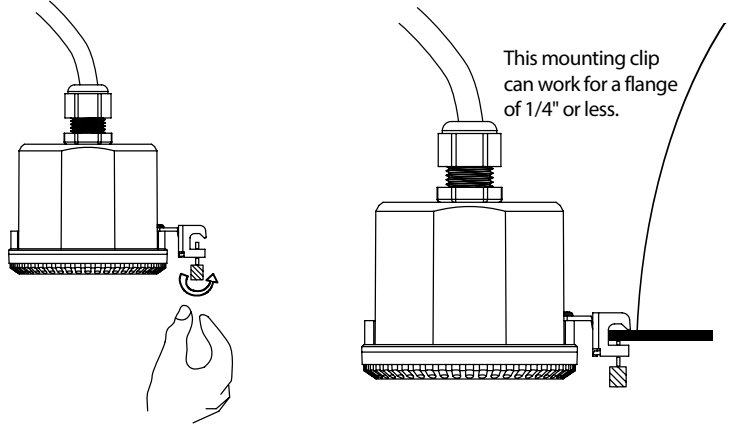
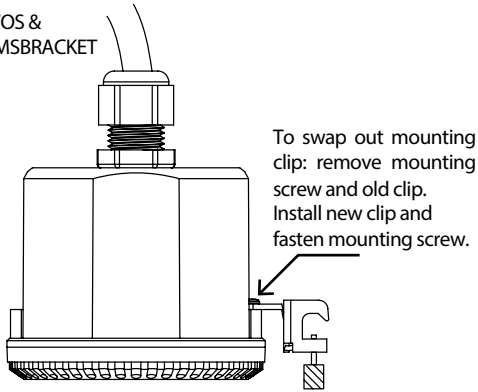
HBC-MWOS



Use the spring clip to mount the sensor onto the fixture, then tighten the screw to ensure the sensor is secure

MOUNTING CLIP

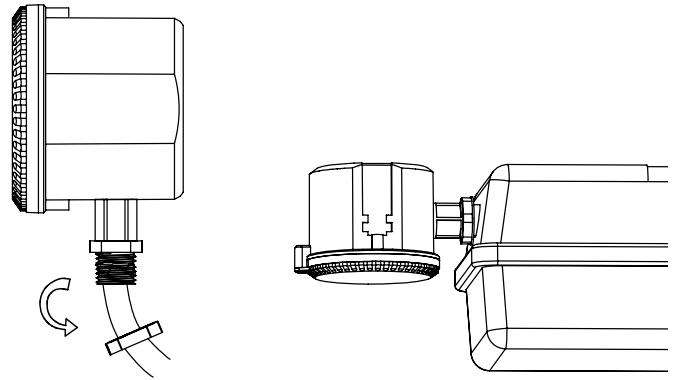
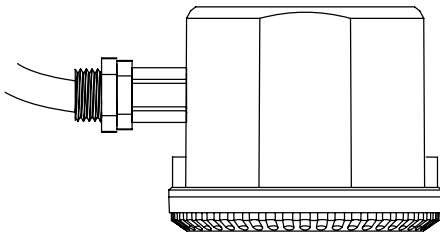
HBC-MWOS &
HBC-10-MSBRACKET



Place the mounting clip over the fixture and tighten the screw to secure the sensor to the fixture

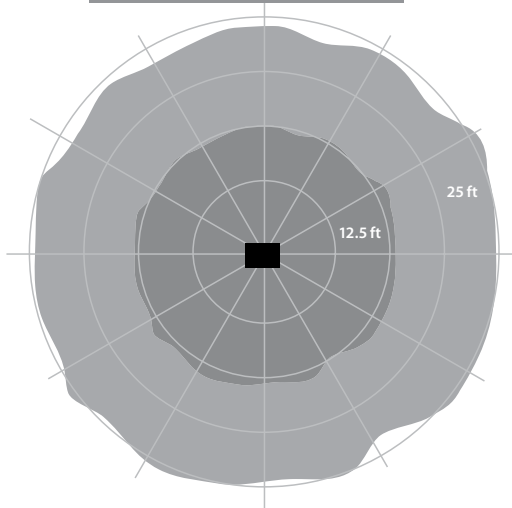
FIXTURE KNOCKOUT MOUNT

MWOS360



Remove the nut from the sensor and place the connector into the fixture knockout. Tighten the nut to secure the sensor to the fixture.

DETECTION AREA



WIRING DIAGRAM

