



MS1 SERIES

SIDE ARM MOUNT

MICROWAVE MOTION

SENSOR 347-480V



5YEAR
WARRANTY

Catalog #	
Project	
Date	
Prepared by	
Model #	MS1-DHR-SA-4

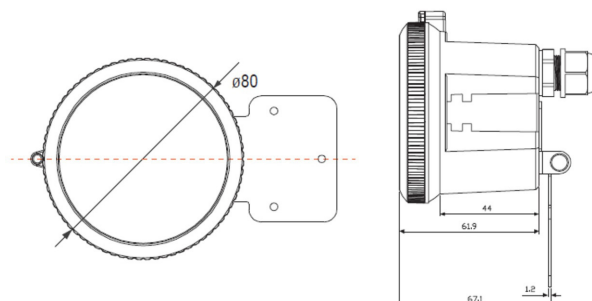
OVERVIEW

The MS1-DHR-SA-4 is used exclusively with the HBX1"-2" series high bay. It mounts to the HBX1"-2" by using the side arm mount HB-HVSAX1. This device uses microwave technology to detect motion.

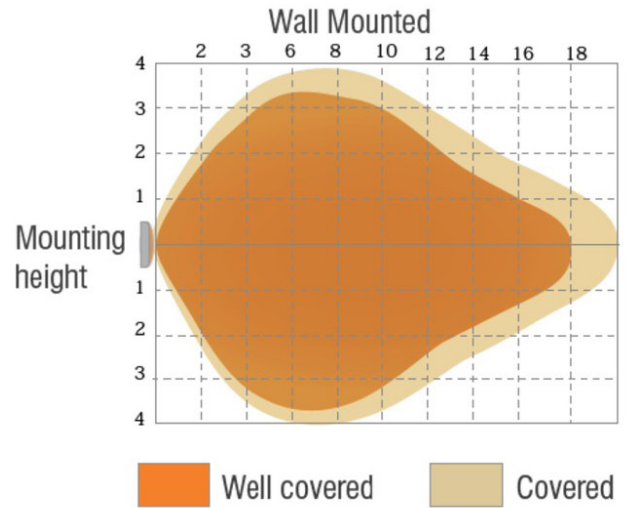
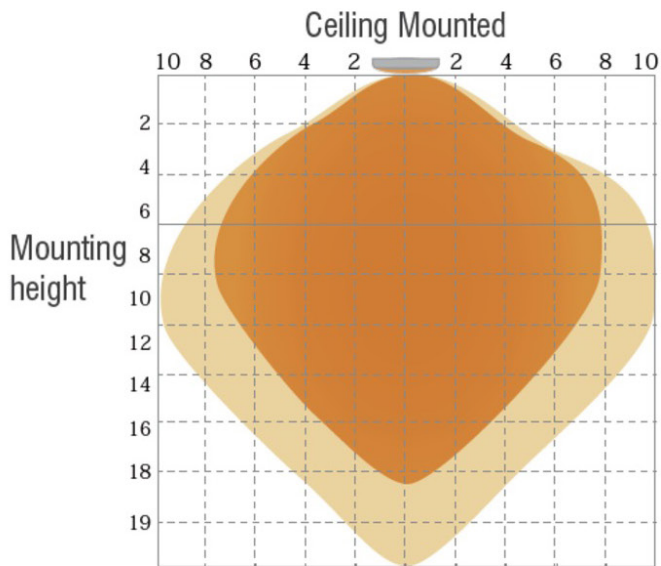
PRODUCT HIGHLIGHTS

- Microwave technology
- Dimmable
- Remote control programming, uses RC01 remote
- Settings include: detection range, hold time, stand-by dimming level, stand-by period, and daylight sensor
- For high ceiling applications ranging from 15-48ft
- 360° of coverage
- Installed onto side arm mount. HB-HVSAX1 ordered separately
- Load: 2.3A @ 347V, 2.5A @ 480V

ELECTRICAL SPECIFICATIONS		APPROVALS & LISTINGS	
Input Voltage	347-480VAC	IP Rating	IP65
Max Load	Load: 2.3A @ 347V, 2.5A @ 480V	UL/ETL Listed	E510715
CONSTRUCTION		SENSOR SETTINGS	
Housing Material	Polycarbonate	SETTINGS	RC01 REMOTE
Housing Color	Black		
Dimensions (inch/mm)	L: 4 3/4" (121mm) W: 3 1/8" (80mm) H: 2 5/8" (67mm)	Detection Range	25-100%
Weight (g/oz)	280g / 9.9oz	Hold Time	5s-30min
Installation Method	Screws onto HB-HVSAX1 side arm, ordered separately	Stand-by Dim Level	10-50%
Operation Range (°C/°F)	-35°C to 55°C / -31°F to 131°F	Stand-by Period	0s-20min, ∞
Warranty	5 years	Daylight Sensor Level	2-120lux, disable
PRODUCT DIMENSIONS			



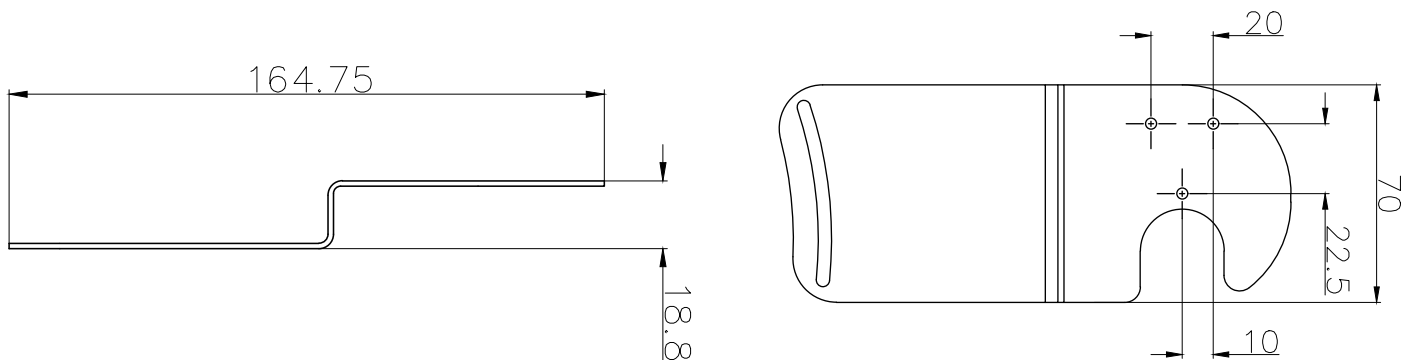
FIELD OF VIEW



PRODUCT INFORMATION

Model # HB-HVSAX1	Side arm for the MS1-DHR-SA-4, ordered separately
Material	Steel
Use	For mounting the MS1-DHR-SA-4 sensor onto HBX1 347-480V High Bays
Dimensions	6.49" x 2.75" 164.75mm x 70mm

PRODUCT DIMENSIONS



- Due to the special conditions of manufacturing, the typical data of optical specifications can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.
- Exceeding maximum ratings for input voltage and current will cause hazardous overload and will likely destroy the LED fixture.
- Refer to Warranty Terms & Conditions available at premiseled.com/warranty

Specifications and dimensions
subject to change without notice.

3401 ENTERPRISE PARKWAY
BEACHWOOD, OH USA 44122

80-86 CARRIER DRIVE
TORONTO, ON CANADA M9W 5R1

PREMISELED.COM

How To Use The Remote

To begin, press the start button

- 1) Select a specific: detection range, hold time, stand-by dimming level, stand-by period and daylight sensor setting
- 2) Press Memory to save the selected settings
- 3) Press Apply to send saved settings to sensor
- 4) Press Apply to send saved settings to any additional sensor

LED Indicators and Function

- Button press indicator
- Apply button indicator

Button Layout and Function

ON/OFF
Turn light **ON** or **OFF**
Sensor is deactivated

Auto Mode
Turn sensor on
Retains settings saved
before the light was
turned off

RESET
Reset light to **ON/OFF** mode
Output is 100%

Brightness
Adjust **ON/OFF** mode max output level
from 100-10%
Adjust **sensor mode** max output level
from 100-60%

Start
Press to set all sensor settings;
detection range, hold time,
stand-by dimming, stand-by
period and daylight sensor
threshold

After **Start**, 30s is available to
set settings, or they will be reset

Memory
Press to save selected settings
Settings will save on remote until
Reset is pressed or batteries
removed

After **Memory** is selected, 30s is
available to **Apply** settings

Apply
Press to send saved Memory
settings to the sensor.

Press Apply to send saved
settings to any additional
sensor
If Memory is not saved, the
settings will be applied one
time and not save



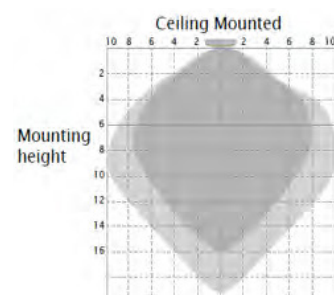
Detection Range (Sensitivity) Setting
100% - 25% detection range
Actual detection distance varies by
mounting height
Refer to sensor field of view diagram

Hold Time Setting
After last detected motion, amount of
time to hold light at 100% or selected
brightness from; 30s up to 30min

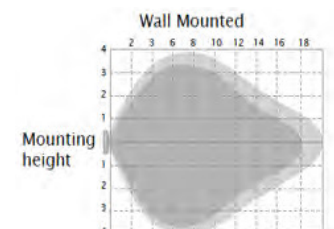
Stand-by Dimming Level Setting
No motion dimming level from 10% to 50%
If no motion is detected for the selected hold time, the light will turn off [0%] if 0s is
selected for **stand-by period** or dim down to 10%/20%/30%/50%. The light will remain
off or dimmed for the selected **stand-by period**. Once motion is detected, it will then
return to set **brightness** level

Stand-By Period Setting
No motion dimming stand-by time in seconds and minutes; 10s to infinity
0s - stand-by time is 0s
+∞ - Light will remain dimmed until motion is detected

Daylight Sensor Setting
Set the **ambient lux level**. Sensor will turn
light **ON** once below level, and **OFF** above level;
2 lux up to 120 lux
Disable will ignore ambient light levels



*Detection at 100% sensitivity



Well covered Covered

*Detection at 100% sensitivity

Test Button
Press to run test mode
Hold time is 2s in test mode
Use to check light and remote
connectivity

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