MS1 SERIES
KNOCKOUT MOUNT MICROWAVE MOTION SENSOR 347-480V

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

5YEAR WARRANTY

OVERVIEW

The MS1-DHR-KO-4 is a knockout mounted sensor that uses microwave technology to detect motion.

PRODUCT HIGHLIGHTS

- Microwave technology
- Dimmable
- Remote control programming
- 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
- Installs onto a 1/2 inch knockout located on a fixture or junction box
- Load: 2.3A @ 347V, 2.5A @ 480V

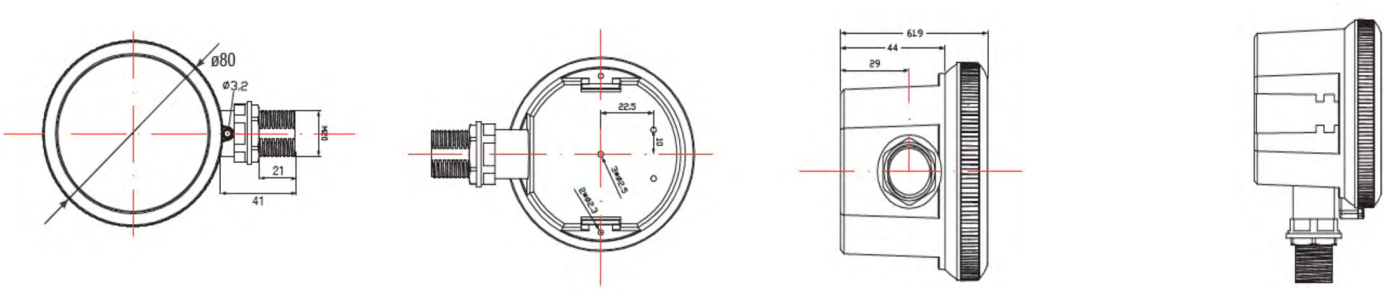
ELECTRICAL SPECIFICATIONS	
Input Voltage	347-480VAC
Max Load	Load: 2.3A @ 347V, 2.5A @ 480V”

CONSTRUCTION	
Housing Material	Polycarbonate
Housing Color	White
Dimensions (inch/mm)	L: 4 3/4” (121mm) W: 3 1/8” (80mm) H: 2 5/8” (67mm)
Weight (g/oz)	280g / 9.9oz
Installation Method	1/2” knockout
Operation Range (°C/°F)	-35°C to 55°C / -31°F to 131°F
Warranty	5 years

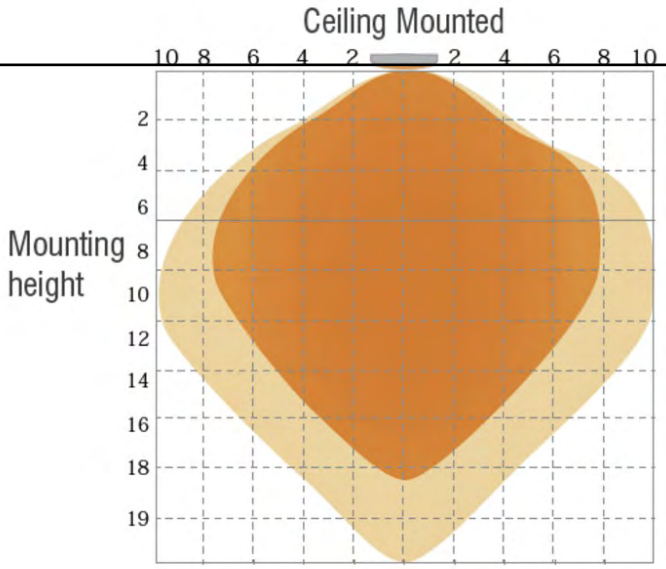
APPROVALS & LISTINGS	
IP Rating	IP65
UL/ETL Listed	E510715

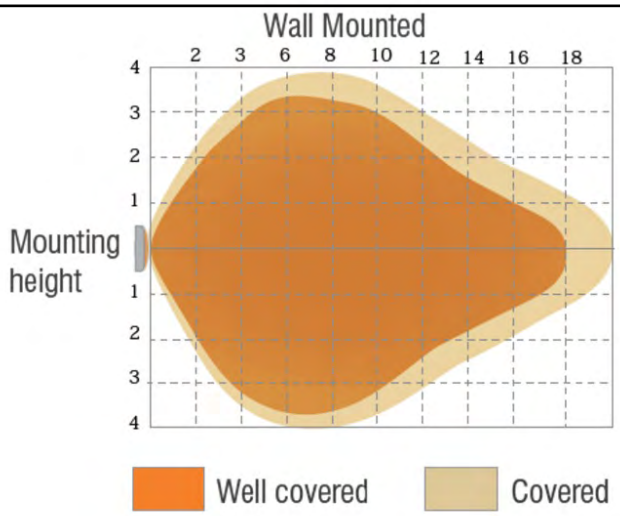
SENSOR SETTINGS	
SETTINGS	RC01 REMOTE
Detection Range	25-100%
Hold Time	5s-30min
Stand-by Dim Level	10-50%
Stand-by Period	0s-20min, ∞
Daylight Sensor Level	2-120lux, disable

PRODUCT DIMENSIONS



FIELD OF VIEW





Units = metres

RC01
For use with M3 (MS1-DHR-SA-4), M4 (MS1-DHR-KO-1) or M5 (MS1-DHR-KO-4)

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 ouput 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

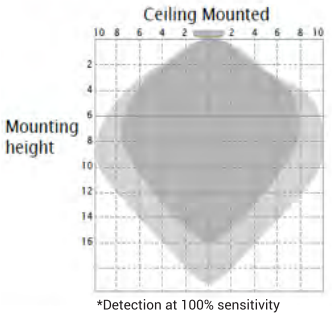
Memory
Press to save selected settings

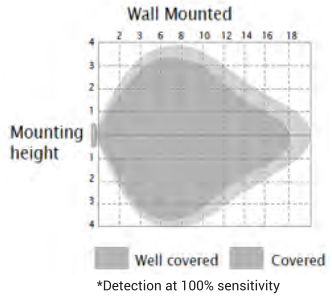
Settings will save on remote until **Reset** is pressed or batteries removed

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

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

1. 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.
2. Exceeding maximum ratings for input voltage and current will cause hazardous overload and will likely destroy the LED fixture.
3. Refer to Warranty Terms & Conditions available at premiseled.com/warranty

Specifications and dimensions subject to change without notice.

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