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SMARTSENSOR POD 1MP-N INSTALLATION

GENERAL

The smartsensor pod 3MP-N collects data on light levels, temperature and motion, and transmits this environmental data through the smartgateway back to the smartengine. The smartsensor pod is easily installed in the ceiling tile or junction box near the fixture and connects to a smartgateway with a straight-through patch cord.

The smartsensor pod 3MP-N must be used with smartengine 3, Model 4834, running 4.0 software or later.
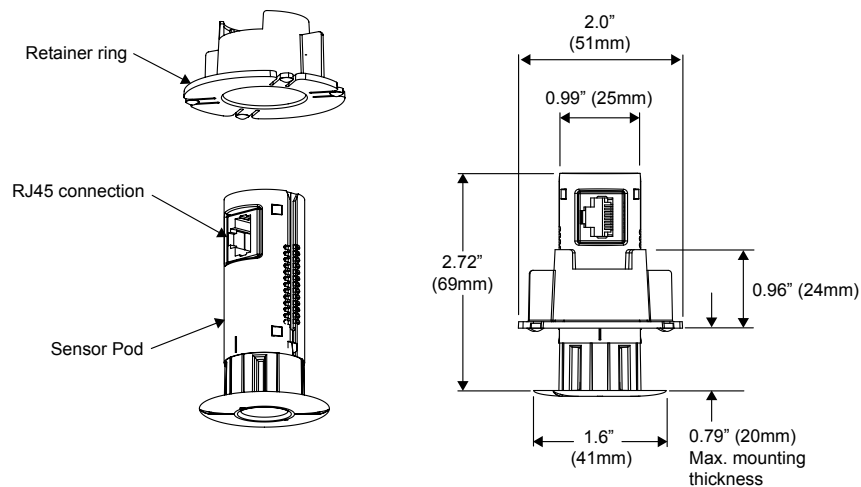
ORDERING INFORMATION IS LISTED BELOW

Part No.	Description
SSEN-1MP-N	Sensor pod, desk level

SMARTSENSOR POD 1MP-N

SMARTSENSOR POD COMPONENTS AND DIMENSIONS

Retainer ring

RJ45 connection

Sensor Pod

2.0" (51mm)

0.99" (25mm)

2.72" (69mm)

0.96" (24mm)

1.6" (41mm)

0.79" (20mm) Max. mounting thickness

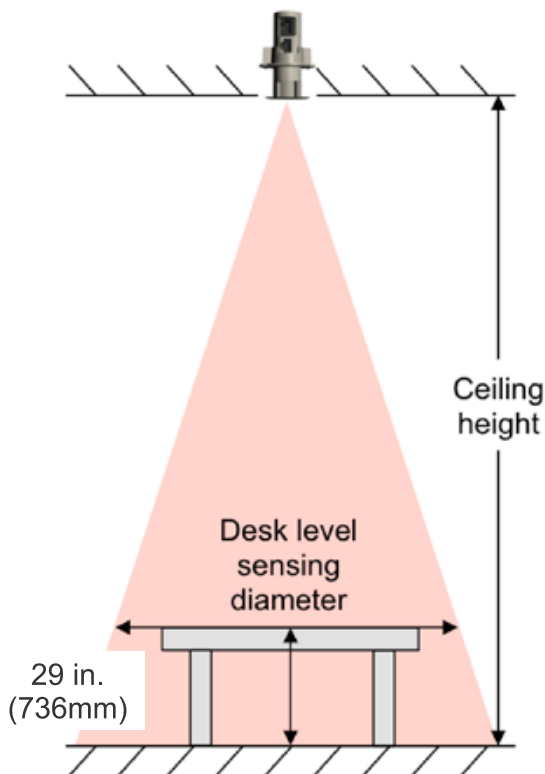860616648 | Issue 20190722-July 2019

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! **IMPORTANT**

· Be sure the smartsensor pod is clear of any other equipment above the tile.

· The plastic smartsensor cap should be tight against the ceiling tile.

· The smartsensor pod may be rotated inside the ceiling tile hole, but it must remain perpendicular to the tile.

· It is recommended to not place smartsensor pods near heating vents, AC units, or any other electrically dynamic system.

· The smartsensor pods have been tested by UL to UL2043 which ensure slow smoke-emitting characteristics and suitable fire resistance for equipment that may be installed in environmental air-handling spaces, as described in Article 300.22(c) of the NEC (2008).

· When the product is installed in air-handling spaces, such as above some suspended ceilings, the cabling employed should be suitable under NEC (2008) Article 800.154 and marked accordingly for use in plenums and air-handling spaces with regard to smoke propagation, such as CMP. The products and wiring should be installed in accordance with all applicable local regulations and practices.

PREPARATION

1. The smartsensor pod must be installed within 10 feet (3m) of the gateway and connected with a straight-through patch cord.

2. For a lay-in light fixture (2' x 2', 2' x 4', or 600mm x 600mm), smartsensor pods should be placed in the ceiling tile adjacent to the fixture. For downlights, smartsensor pods can be placed in the same ceiling tile.

3. For a lighting installation, the smartsensor pod that controls the fixture should be placed close to the fixture, preferably within 2" (51mm) in order to obtain accurate light level readings and enact daylight harvesting accurately.

4. Determine where in the ceiling tile the smartsensor pod needs to be installed by referring to the diagrams below.

Ceiling height	Desk level sensing diameter
8 ft. (2.4m)	4 ft. 8 in.(1.4m)
9 ft. (2.7m)	5 ft. 3 in.(1.6m)
10 ft. (3.0m)	5 ft. 10 in.(1.8m)
11 ft. (3.3m)	6 ft. 5 in.(2.0m)
12 ft. (3.6m)	7 ft. 0 in.(2.1m)

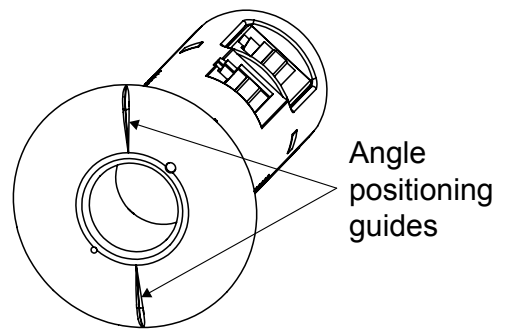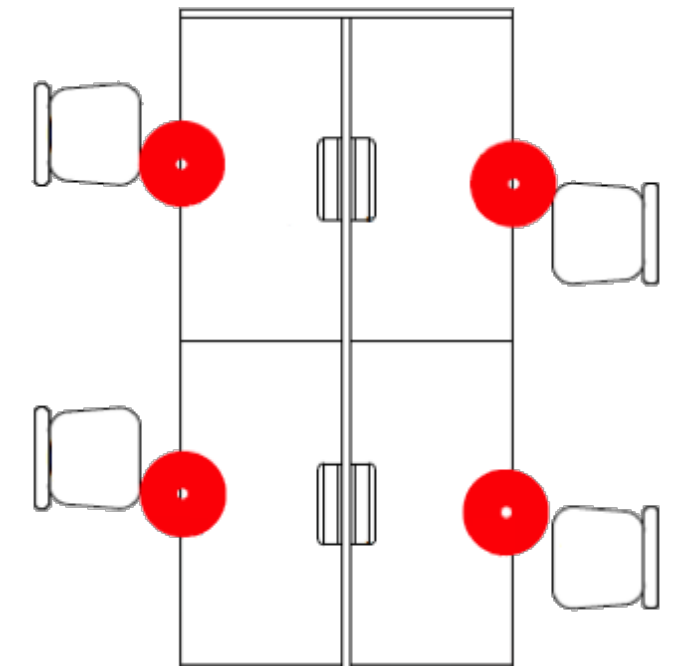860616648 | Issue 20190722-July 2019

SMARTSENSOR POD 1MP-N INSTALLATION

PREPARATION

5. For placement over desk areas, the smartsensor pod should be located directly above where the occupant will be seated in between the desk and the chair within a 1 ft. (305mm) radius as shown above.

6. In addition, the smartsensor pod must be rotated so that the angle-positioning guides on the sensor cap are aligned with the edge of the desk. See detail below.

NOTE

The motion coverage pattern of the smartsensor pod is shown above. These assume that a smartsensor pod is installed in a ceiling that is 8 to12 feet (2.4 to 3.6m) in height. The diagram illustrates the expected motion sensing coverage for each smartsensor pod.

Angle positioning guides
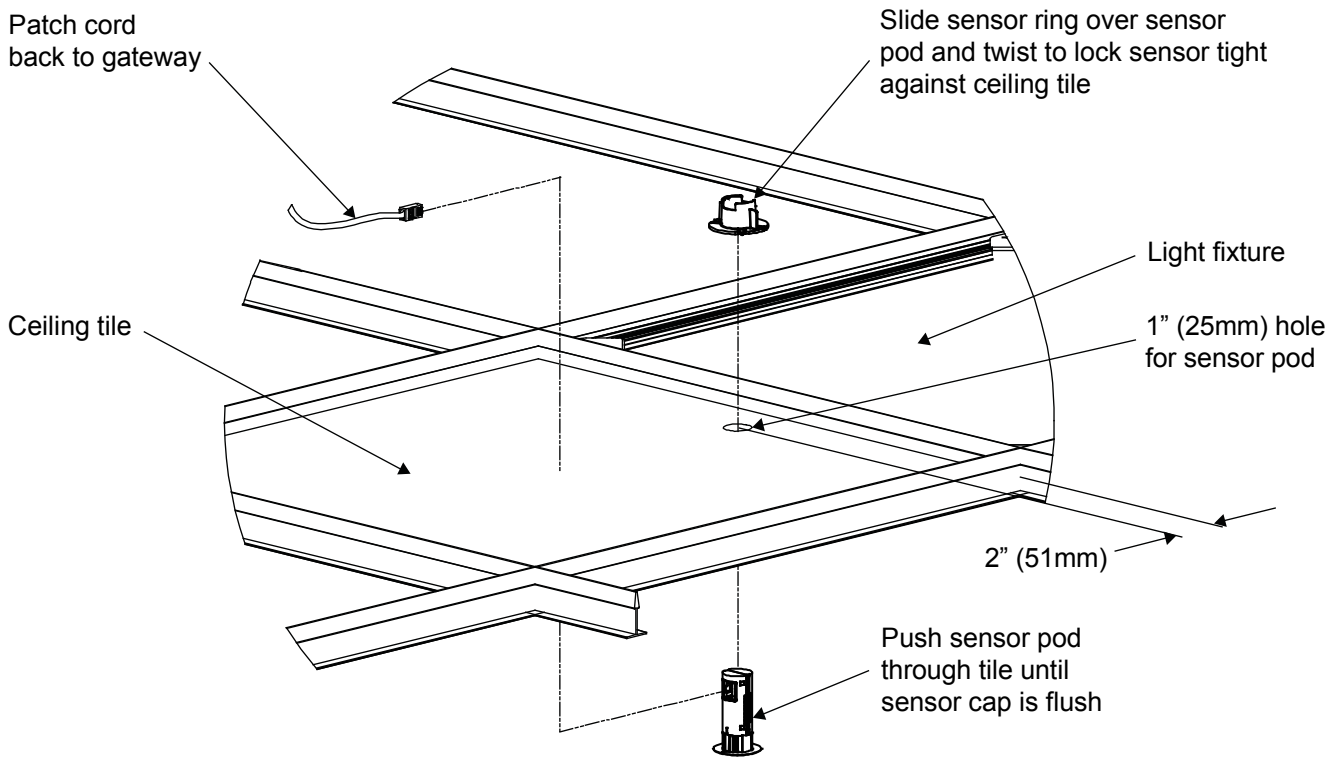
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SMARTSENSOR POD 1MP-N INSTALLATION

INSTALLATION

1. Drill a 1" (25mm) diameter hole in the ceiling tile.

2. Carefully push the smartsensor pod through the ceiling tile.

3. Twist and lock the adjusting height sensor pod ring to tighten the smartsensor pod against the tile.

4. Connect the smartsensor pod to the smartgateway using a straight-through patch cord (10 ft. [3m] maximum length).

NOTE

For placement over desk areas, the sensor motion sensitivity should be configured to the high setting during the commissioning process.

Patch cord back to gateway

Slide sensor ring over sensor pod and twist to lock sensor tight against ceiling tile

Light fixture

Ceiling tile

1" (25mm) hole for sensor pod

2" (51mm)

Push sensor pod through tile until sensor cap is flush

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FOR TECHNICAL ASSISTANCE:

· EMEA, contact your local account representative
· An email can also be sent to smartenginesupport@wtec.ag for technical support.