

SSEN-1MP-N SMARTSENSOR POD INSTALLATION

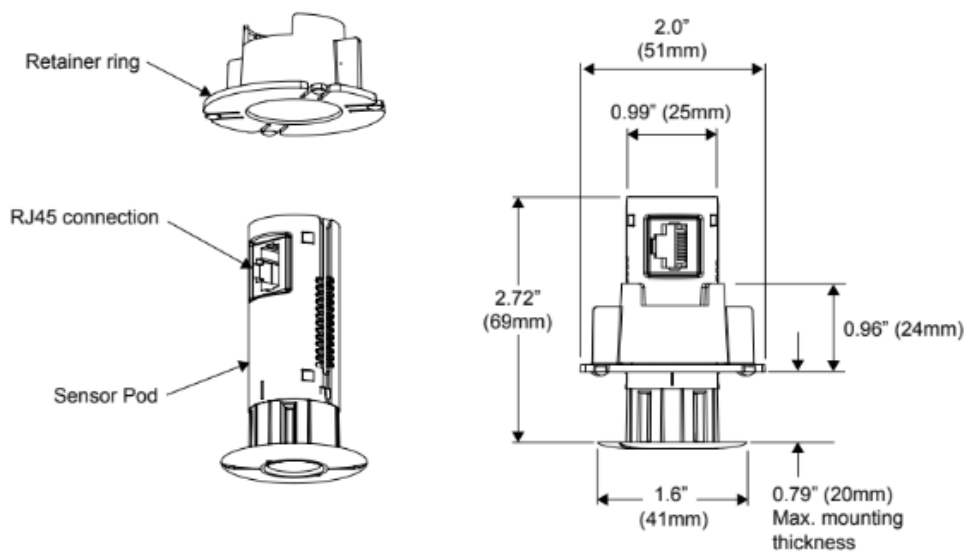
The smartsensor SSEN-1MP-N collects data on light levels, temperature and motion, and transmits this environmental data through the smartgateway back to the smartengine. The smartsensor is easily installed in the ceiling tile or junction box near the fixture and connects to a smartgateway with a straight-through patch cord. The smartsensor SSEN-1MP-N must be used with smartengine 3, Model 4834, running 4.0 software or later.



ORDERING INFORMATION

PART NO.	DESCRIPTION
SSEN-1MP-N	Sensor pod, desk level

SMARTSENSOR POD COMPONENTS AND DIMENSIONS



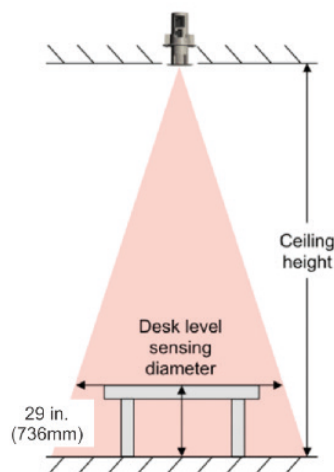
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IMPORTANT

- Be sure the smartsensor is clear of any other equipment above the tile.
- The plastic sensor cap should be tight against the ceiling tile.
- The smartsensor may be rotated inside the ceiling tile hole, but it must remain perpendicular to the tile.
- It is recommended to not place smartsensors near heating vents, AC units, or any other electrically dynamic system.
- The smartsensors 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), smartsensors 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 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)

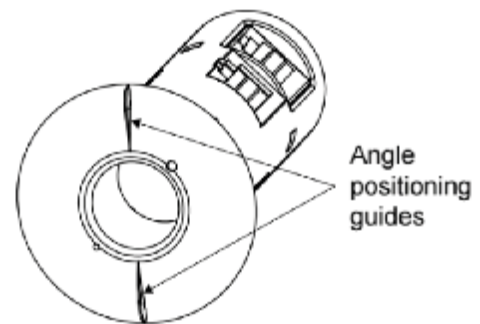
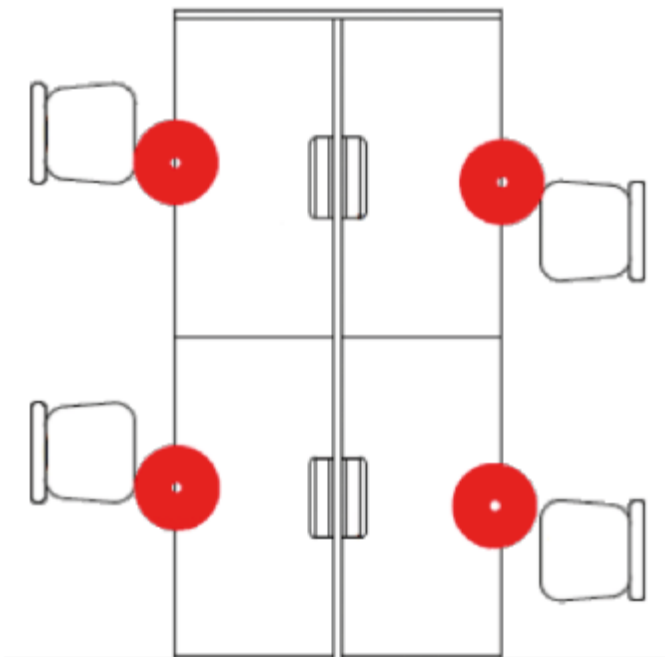
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PREPARATION

5. For placement over desk areas, the smartsensor 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 below.
6. In addition, the smartsensor 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 is shown above. These assume that a smartsensor is installed in a ceiling that is 8 to 12 feet (2.4 to 3.6m) in height. The diagram illustrates the expected motion sensing coverage for each smartsensor.



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INSTALLATION

1. Drill a 1" (25mm) diameter hole in the ceiling tile.
2. Carefully push the smartsensor through the ceiling tile.
3. Twist and lock the adjusting height sensor ring to tighten the smartsensor against the tile.
4. Connect the smartsensor 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.

FIGURE 1

