



Azbil Corporation

Sensing infrared. Sensing people.

The infrared array sensors installed on the ceiling detect infrared rays emitted from objects

Maintain room comfort

When there is an increase in the number of people in a room, the infrared array sensors are able to maintain a comfortable indoor environment via a control that increases the air conditioning before the room temperature rises.



Energy savings

They are able to estimate the number and position of occupants in a room. It also enables energy saving by switching the lights on and off and controlling the air conditioning according to the presence or absence of people.

Compact design

The infrared array sensors have an extremely compact design. Installing multiple sensors on the ceilings or wall surfaces allow checking of the temperature distribution across the entire floor.

The sensors know where and how many people are in the room

Based on measurements, the sensors are able to estimate the number of people and check the temperature distribution across the entire floor.





Control based on room conditions

They are able to maintain comfort based on surface temperature data across the entire floor, control ventilation according to changes in the environment and the number of occupants in the room, as well as adjust lighting by employing human detection information.

Air-conditioning



Maintain comfort by quickly responding to changes in sunshine and the number of occupants in a room

Ventilation



Increase productivity by adjusting the required volume of ventilation to reduce CO2 according to the number of occupants in a room

Lighting



Save power consumption by turning off the lights in areas where occupants are not detected

A diverse lineup to meet your needs



TY2000A3000 Wall-Mounted Sensor with Adjustable Sensing Angle



TY2000A1000 Ceiling-Mounted Sensor with Fixed Sensing Angle



TY2000A2000 Ceiling-Mounted Sensor with Adjustable Sensing Angle



For high-ceiling rooms

For offices

TY2001C4000 Sensor with Ball Head for rooms with a high ceiling



TY2001B2000

Ceiling-Mounted Sensor with a wider-angle lens for rooms with a high ceiling



TY2001B4000 Sensor with Ball Head with a wider-angle lens for rooms with a high ceiling Major Design Awards Received





Azbil – Going Beyond Automation

Azbil Corporation

Building Systems Company

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