

# Reliable Controls adds particulate-matter sensing to its popular SMART-Sensor products

Victoria, BC, Canada—Reliable Controls is helping building owners work smarter, not harder, with the release of an optional particulate matter (PM2.5) sensor for its popular [SMART-Sensor™](#) and [SMART-Sensor EPD](#) intelligent room-sensing solutions. The PM sensor option complements the company's existing carbon dioxide and volatile organic compound sensors to provide a complete indoor air quality solution for the built environment.

The PM sensor for these devices is the Sensirion SPS30, which accurately measures dust and other particles to determine the air quality in a space based on laser scattering. PM2.5 refers to particles in the air that are 2.5 microns or less in width—about 30 times smaller than the width of a human hair. PM2.5 particles are among the most dangerous air pollutants; their small size means they can travel deep into the respiratory tract and cause various health issues.

"In our home province of BC and elsewhere around the world, wildfires are an all-too-often occurrence. Measuring the level of particulates from smoke in a building, then automatically reducing outside air ventilation volume, is one way PM-sensing technology can be incorporated into existing systems and reduce the health risks associated with wildfires," says Cameron Lutz, senior marketing manager at Reliable Controls. "There are many ways to design PM-sensing technology into building control strategies to help balance occupant health and comfort with energy consumption."

Sensors are crucial to any building automation system, collecting data inputs used to control ventilation, air filtration, and other equipment. Building owners can depend on Reliable Controls technologies to monitor their facilities' indoor air quality. Whether they need to measure particulate matter, volatile organic compounds, carbon dioxide, relative humidity, or temperature, Reliable Controls has sensor options to suit a variety of needs.

Learn more about the [SMART-Sensor](#) and [SMART-Sensor EPD](#) devices.



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