



Telaire Introduces new SMART Dust Sensor

A NEW Miniature Air Cleaner, Air Purifier, or Air Conditioner Sensor from Telaire

St. Mary's PA USA – August 2014 – Amphenol Advanced Sensors' Telaire products is pleased to announce the new SMART Dust Sensor designed for detection of dust in the air, indoor air quality and monitoring.

The new sensor is a miniature infra-red obscuration sensor that has accuracy and reliability of many larger sensors. Incorporating special algorithms it can differentiate between small and large particle sizes to give a true reflection of air quality condition unattainable in previous generations.

The new SM-PWM-01A is a dust sensor that detects the dust particle concentration in air by using an optical sensing method. An infrared light emitting diode (IR LED) and a photo-sensor are optically arranged in the device. The photo-sensor detects the reflected IR LED light from the dust particles in the environment.

The SMART Dust Sensor detects small particles like cigarette smoke (typically 1µm) to large house dust particles (typically 20µm) and the signal output is in proportion to both particle size and concentration. With additional protection the unit can be used in outdoor environments, and by adjustment in smoke detection applications.

"The reliable sensor is designed based on 20 years of engineering and manufacturing expertise", says Chris Ranwell Global Product Manager for Telaire. "It can be used in all applications that require detection of particulates that decrease air quality".

For more information [click here](#)

About Amphenol Advanced Sensors:

Amphenol Advanced Sensors is a leading innovator in advanced sensing technologies and innovative embedded measurement solutions customized for regulatory and industry driven applications, creating value by providing critical information for real time data decisions.

Amphenol Advanced Sensors is a company of leading industry brands as **Telaire**, Kaye, Thermometrics, Modus Instruments, NovaSensor, and Protimeter are industry leaders over 70 years.

Amphenol Advanced Sensors offers industry leading domain expertise, rapid customization, world-class manufacturing capability and lasting customer relationships to deliver the greatest value in cost of ownership to their customers

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