

OMRON launches longer distance sensor for touchless control solutions

Hoofddorp, Netherlands, Wednesday, 7 April 2021 – OMRON Electronic Components Europe today announced a new addition to the B5W series of optical sensors. The new B5W-DB diffuse reflector sensor has a longer sensing distance of 550mm, longer than light convergent resistance sensors of the same size making it ideal for COVID safe user interfaces.

The OMRON B5W-DB features enhanced disturbance light resistance, making the product less susceptible to ambient light such as sunlight. The sensor can be mounted from four directions and it operates on an impressively low current consumption of 20mA maximum.

The new diffuse reflector sensor opens itself up to applications in washroom equipment, sterilization equipment and entry control systems. Touchless sensors have a lower infection risk, making them COVID-secure and giving peace of mind to patrons using facilities in washrooms and other public spaces. They can also be used to activate security and door entry systems when an individual is seeking admission, and to operate sterilization equipment reducing the risk of cross-infection.

OMRON B5W sensors are particularly effective at identifying black, transparent, reflective and other hard to detect surfaces, and the new range also features enhanced performance in this area.

In addition to the B5W-DB, the miniature B5W-LB2101 and LB2112 are still available with analogue or digital outputs with a sensing range of 10-55mm for white paper, falling to 10-40mm for black. These devices are sized at 40 x 8.4 x 15.9 mm. For applications requiring an even and more compact solution, the super-miniature B5W-LB1112 is just 26 x 8.4 x 13mm. It offers a sensing distance of 2-10mm for white paper and 3-8mm for black. All digital devices are offered in light-on and light-off form and are sealed to IP50.

Photo caption: The OMRON B5W-DB features enhanced disturbance light resistance, making it less susceptible to ambient light

About OMRON

OMRON Electronic Components Europe is a leader in electromechanical PCB relays, as well as a leading supplier of components such as micro switches, MOSFET relays, DIP switches, photomicrosensors and connectors. OMRON has a strong portfolio of innovative technologies including MEMS based pressure, flow and thermal measurement sensors, human face and gesture recognition modules, vibration and tilt sensors.

OMRON Electronic Components Europe strongly supports its customers in Western and Eastern Europe, Russia and the CIS through 8 regional offices, a network of local offices and partnerships with specialist, local, regional and global distributors.

OMRON Electronic Components Europe is a subsidiary of the OMRON Corporation, recognised worldwide as a leader of high quality, high technology electrical and electronic control equipment and component products.

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