



S17 - VERSASENSE OBJECT DETECTION SENSOR

PRODUCT DESCRIPTION

The VersaSense Object Detection Sensor (**S17**) provides the ability to detect objects passing within 20cm of the sensor with a wide field of view. The unit operates at extremely low power consumption, enabling multi-year battery lifetimes. This sensor accurately timestamps all object detection events and can buffer up to 15 events before transmission to the gateway.

VERSASENSE SENSORS

VersaSense Sensors are self-identifying sensors and actuators that connect to VersaSense Wireless Devices to provide plug-and-play sensing and control.

The VersaSense software automatically installs and configures all drivers, eliminating the cost and complexity of deploying an IoT network.

Note: only one peripheral of this type may be connected to a VersaSense Wireless Device.

APPLICATIONS

Production line monitoring through the tracking of when objects pass line elements such as: wrappers, sealers and printers. Short-range object detection of all types.

CORE COMPONENTS

The **S17** is based on the VCNL4010 from Vishay®, for more information please visit:

[VCNL4010.pdf](#)

S17 CHARACTERISTICS

| Characteristic | Value | Unit |
|---------------------------------------|------------|------|
| Ave. Current Consumption | 4 | µA |
| Minimum Period Object Must be In-View | 1 | s |
| Minimum Period Between Detections | 1 | s |
| Maximum range | 20 | CM |
| Min/Max period between updates | 10 / 86400 | s |

RELATED PRODUCTS

Item **S17** requires a VersaSense Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the VersaSense catalog:

[VersaSense-Catalog.pdf](#)

INFORMATION/SUPPORT

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