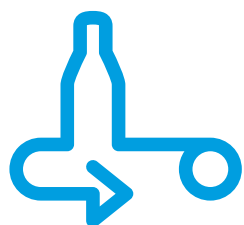


OsiSense application



## Photo-electric sensors Compact AC/DC models with background suppression

To efficiently detect objects of various colours in diffuse mode, the conveyor must be ignored and only the object detected

OsiSense™ XUK8 photo-electric sensors meet these criteria. They operate in diffuse detection mode and are insensitive to the background.

The compactness of the product, AC/DC version with relay output, and its long sensing distance of 0.75m make it easily adaptable to the majority of industrial conveyor systems.

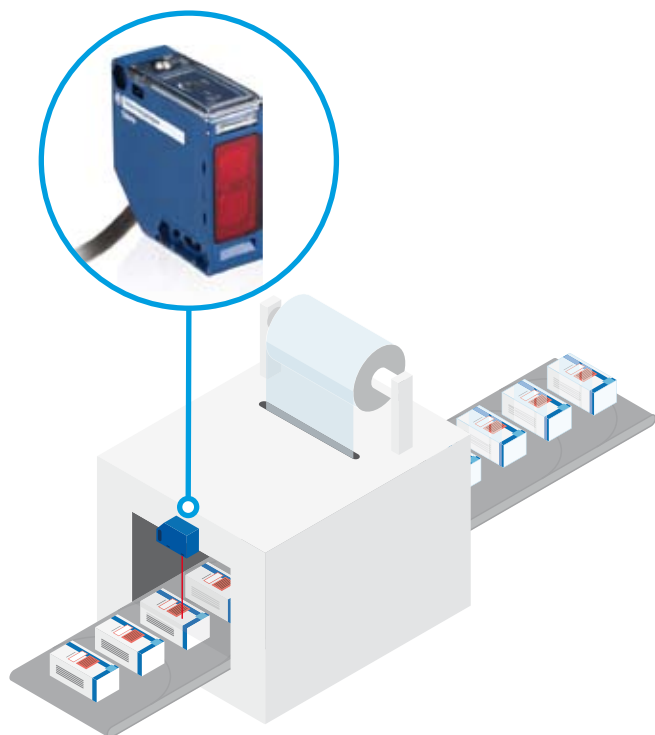
A single press on the “Teach” button simplifies adjustment of the sensing distance. The accuracy of this adjustment is less than 5% white/black variation at 0.4 m.

This OsiSense XUK8 photo-electric sensor features an adjustable time delay (monostable, on-delay or off-delay), thus enabling it to be used on its own in an application.



**Telemecanique**

**Sensors**



## Benefits

### Compactness, even for AC/DC version

The OsiSense XUK8 photo-electric sensor with background suppression and relay output is the most compact on the market (only 50 x 50 x 18mm throughout the range).

### Easy adaptation to applications

A single press on the adjustment 'Teach' button and your sensor is operational. It stores the distance at which the objects passing on the conveyor must be detected, without detecting the background.

### Long sensing distance

The 24 to 240 V AC/DC relay output version sensor can detect objects at up to 0.75 m.

### Conformity

CE certification, UL listed and CSA approval.



## Characteristics

### OsiSense XUK8 photo-electric sensors

- Sensing distance
  - AC/DC version: 0.75 m
  - DC version: 1 m
- Outputs
  - 24 to 240 V AC/DC version: Relay, 3 A
  - 24 V DC version: PNP/NPN, 100 mA
- Response time: 2 ms
- Infrared transmission
- Adjustment using 'Teach' button
- Connection by M12, 4-pin, rotatable connector or pre-cabled (2 m long PBT cable)
- Compact case (50 x 50 x 18 mm)
- Degree of protection: IP65
- Operating temperature:
  - 25 to + 55°C

## References

OsiSense XUK8 photo-electric sensors

Power supply:	24 to 240V AC/DC		24V DC		24V DC
Connection:	Pre-cabled (L = 2m)	<a href="#">XUK8ARCTL2</a>	Pre-cabled (L = 2m)	<a href="#">XUK8AKSNL2</a>	M12, 4-pin connector <a href="#">XUK8AKSNM12</a>
Accessories:	Fixing bracket	<a href="#">XUZA51</a>	Pre-wired connector (5m cable)		
			elbowed	<a href="#">XZCP1241L5</a>	
			straight	<a href="#">XZCP1141L5</a>	

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