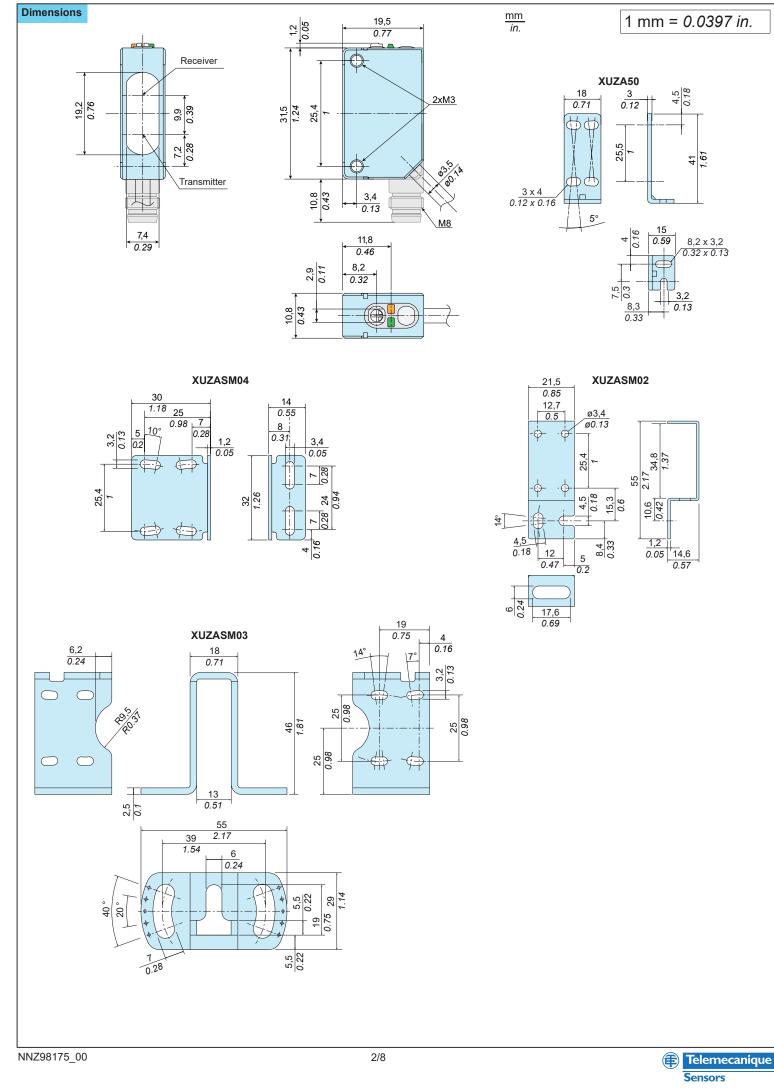


Electrical equipment should be installed, operated and maintained only by qualified personnel.

No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

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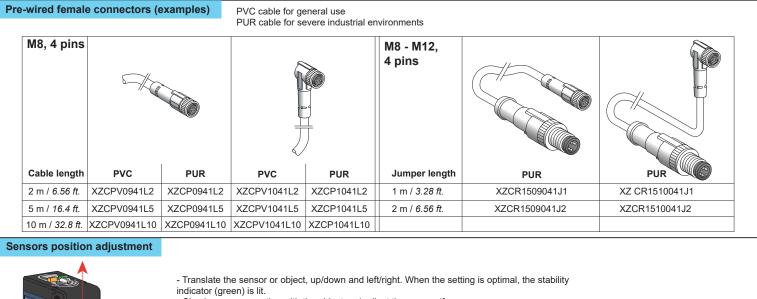


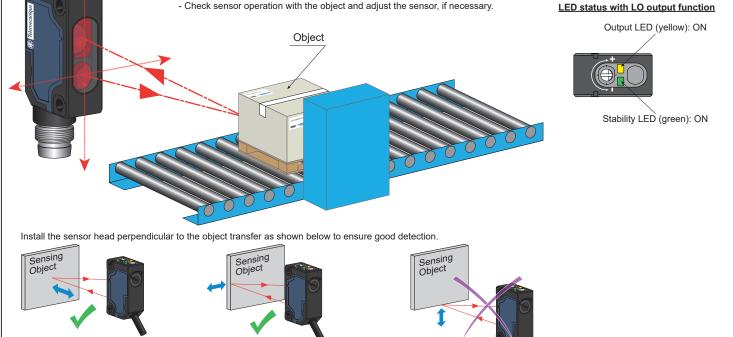
Accessories





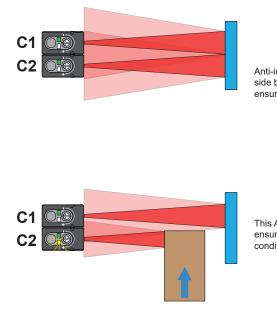




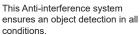


Anti-interference for side by side mounting

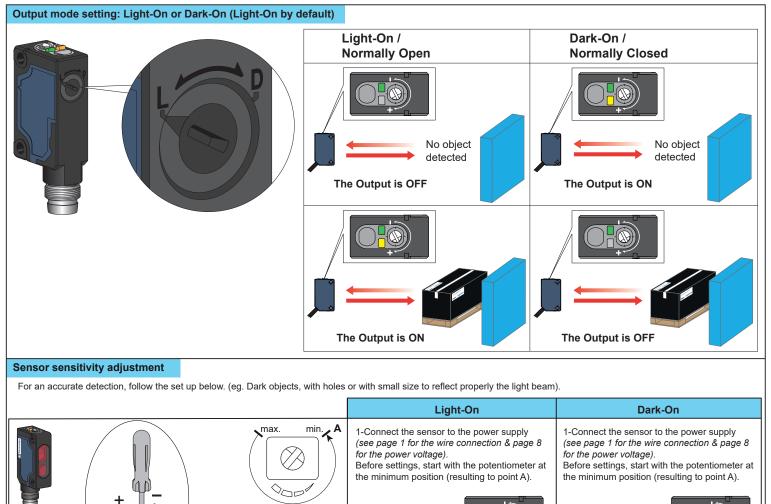
Anti-interference system to ensure good detection even disturbed by another sensor when installed side by side.



Anti-interference system allows a side by side installation and ensures a reliable detection.







2-Put the object in front of the sensor. Turn the

potentiometer clockwise until to detect the

led (green) switch on (resulting to point B).

3-Remove the object to set the background

(yellow) & the stability led (green) switch on

4-Set the middle point between the point B

The Sensor is set and ready to detect.

and C (resulting to point D).

(resulting to point C).

position. Turn the potentiometer clockwise until detecting the background. The output led

Several turns can be done to adjust the

detection.

object. The output led (yellow) & the stability

0,8 x 4 mm / 0.03 x 0.16 in.

Object position

Background position

max.

max

max

B Correct settings

C

VOC B min

min. 🖌 A

min.

Object

Telemecanique Sensors

2-Put the object in front of the sensor. Turn the

object. The output led (yellow) switches off &

the stability led (green) switches on (resulting

3-Remove the object to set the background

detecting the background. The output led

4-Set the middle point between the point B

The Sensor is set and ready to detect

and C (resulting to point D).

switches on (resulting to point C).

position. Turn the potentiometer clockwise until

(yellow) switches off & the stability led (green)

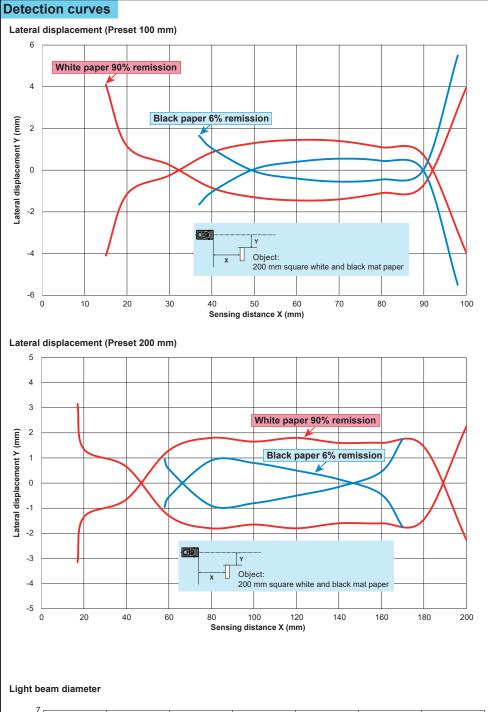
to point B). Several turns can be done to adjust

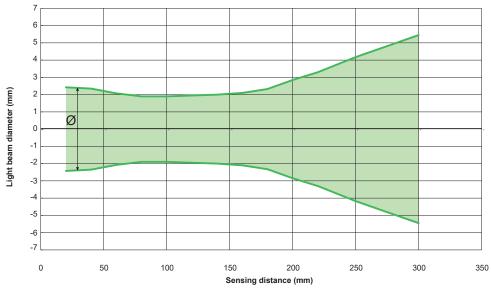
potentiometer clockwise until to detect the

the detection.

www.tesensors.com

1 mm = *0.03*97 *in.*

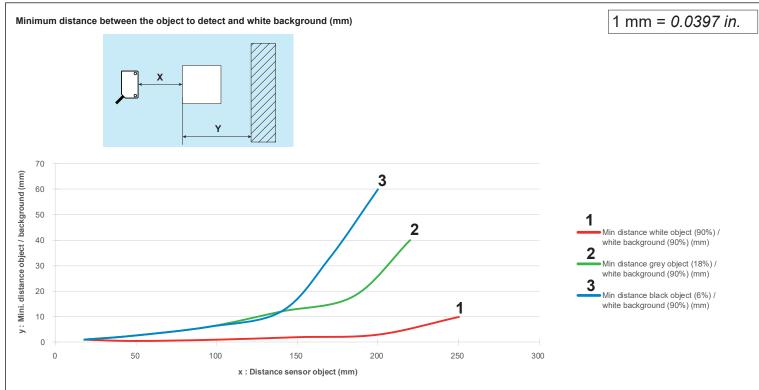




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Characteristics

1 mm = 0.0397 in.

Certification	CE - UKCA - cULus
Sensing Range	Sensing distance (mm) : 4 mm300 mm (White paper) White object SN (90%): 4 mm300 mm Grey object SN (18%): 5 mm265 mm Black object SN (6%): 8 mm200 mm
Color of detection light beam	Red
Spot size of the light beam on the target	4,15 mm at 60 mm / 3,8 mm at 100 mm / 4,1 mm at 150 mm / 5,7 mm at 200 mm / 8,35 mm at 250 mm (See the graph, page 6)
Hysteresis	2% < H < 20% at Sn
Sensing distance setting	Potentiometer - 6 turns
Light-On/Dark-On selection	Switch (~ 120 degrees)
Output type	PNP or NPN
ON Voltage drop	< 2 V max.
Current consumption	< 20 mA max.
Switching capacity	100 mA
Response time	0,5 ms max.
Recovery time	0,5 ms max.
Switching frequency	1000 Hz
Electrostatic discharge immunity	4 kV (Contact), 8 kV (Air) conforming to IEC 61000-4-2
Electromagnetic field immunity	10 V/m conforming to IEC 61000-4-3
Fast transients immunity	Burst 5 kHz - 2 kV conforming to IEC 61000-4-4
Conducted disturbances immunity	10 V conforming to IEC 61000-4-6
Emissivity Radiated disturbances	Class A conforming to EN 55011 / CISPR 11
Electrical shock	1 kV 500 Ohm (1,2/50 µs)
Power Voltage	1224 Vdc Ripple p-p 10% maximum - Operating range 1030 Vdc (including ripple)
Product protection	Power supply : Reverse polarity protection Output: Short circuit protection Reverse polarity protection
Light Immunity	Operating atmosphere; Sunlight 40 kLx max. Incandescent light 10 kLx max.
Ambient Temperature	Operating : - 30+55 °C (-22+131 °F), Storage : - 40+70 °C (-40+158 °F)
Ambient Humidity	Operating : 3595% RH, Storage : 3595% RH
Degree of protection	IP65, IP67 conforming to EN/IEC 60529
Vibration resistance	Frequency range: 10 Hz to 500 Hz Acceleration: 9 gn
Shock resistance	Peak acceleration: 100 gn Duration of the pulse: 11 ms
Material	Housing: PBT, Lens: PMMA, Operation cover: PC, Adjustment potentiometer: PBT



UK Representative : Schneider Electric Limited Stafford Park 5 Telford, TF3 3BL United Kingdom

