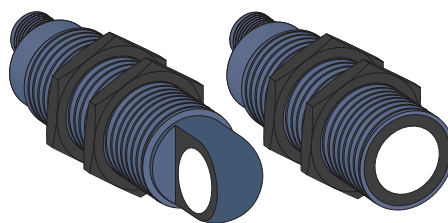


Ultrasonic Sensor M30 - Straight or 90° angled version

Plastic: XX●30P2PM12

Ni-plated Brass : XX●30B2PM12

Stainless steel ...: XX●30S2PM12



http://qr.tesensors.com/XX0003

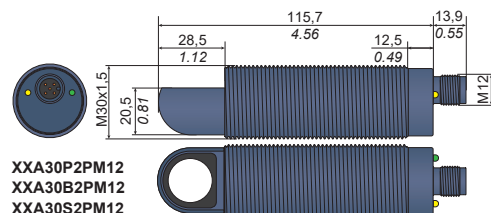
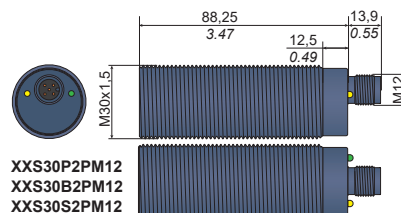
⚠ WARNING

UNINTENDED EQUIPMENT OPERATION

Do not use this product to detect objects within the deadband (blind zone) or outside the sensing window.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

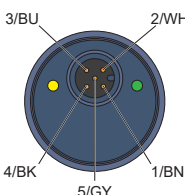
Dimensions

XXA30P2PM12
XXA30B2PM12
XXA30S2PM12XXS30P2PM12
XXS30B2PM12
XXS30S2PM12

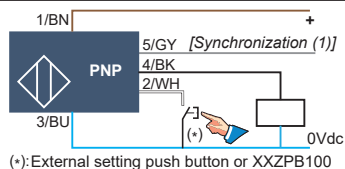
LEDs

GN: Green
(Echo status)YE: Yellow
(Output status)

Connectors wiring



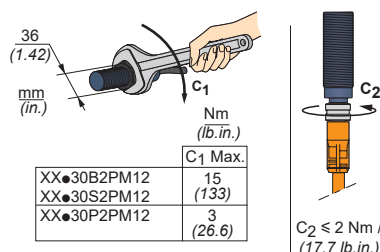
Pin Number	Wire Color	Description
①	BN: Brown	+12...24 Vdc
②	WH: White	Input teach
③	BU: Blue	0 Vdc
④	BK: Black	Output (PNP)
⑤	GY: Grey	Synchronization



(*): External setting push button or XXZPB100

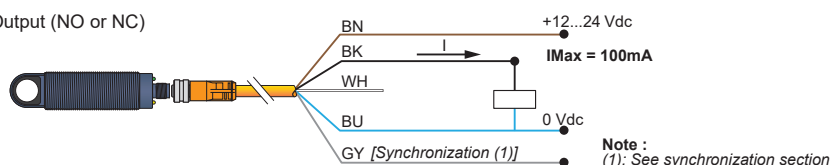
Note :
(1): See synchronization section

Tightening torque

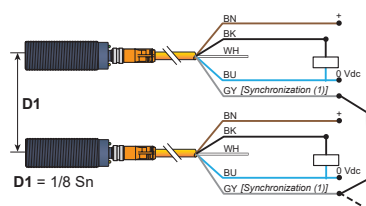


Wiring diagrams

Digital Output (NO or NC)

**Note :**
(1): See synchronization section

Synchronization (side by side application)

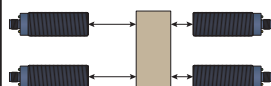


Synchronization operation

Up to 8 sensors can be synchronized to operate side by side by electrically connecting all pin no.5 (grey) wires together. To synchronize more than 8 sensors a PLC output can be used (the pins no.5 must be simultaneously driven by the rising edge of a pulse).

NOTE (1): The pulse must be at a high level of 12 to 24 Vdc and a low level of 0 to 2Vdc. All sensors should be the same model and have the same cycle time setting. The high pulse width should be 1 ms, and the low should be at least as long as the sensor cycle time setting (default cycle times: 2m sn= 30 ms).**NOTE (2):** When the pin no.5 is at low level or at high level, object sensing is suspended and the sensor output holds the last valid output state before suspension.

Multiplexing (face to face application)



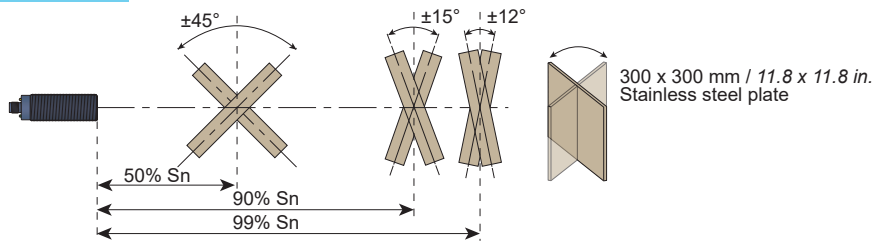
This function can be used to avoid disturbances when operating sensors face to face. A unique address must be assigned to each sensor (or group of sensors) with the use of the XX Configuration Software (prior to wiring the sensors), and all pin no.5 (grey) wires must be connected together.

For sequencing with a PLC, please contact your local Telemecanique Sensors Technical Support Group.

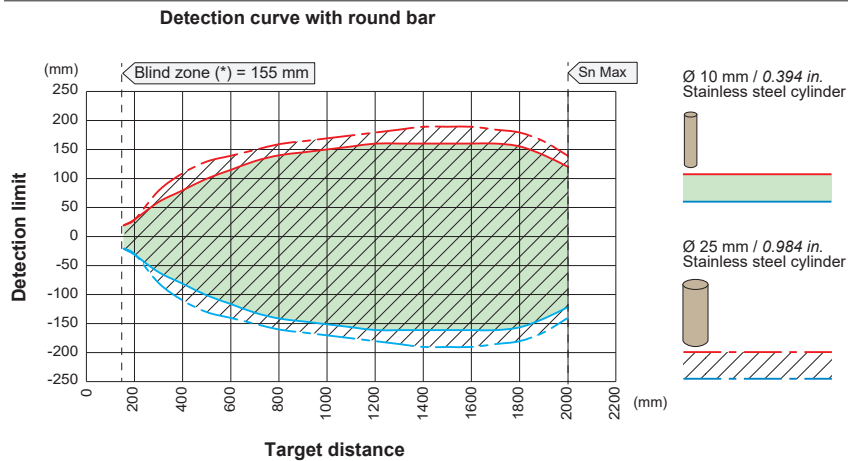
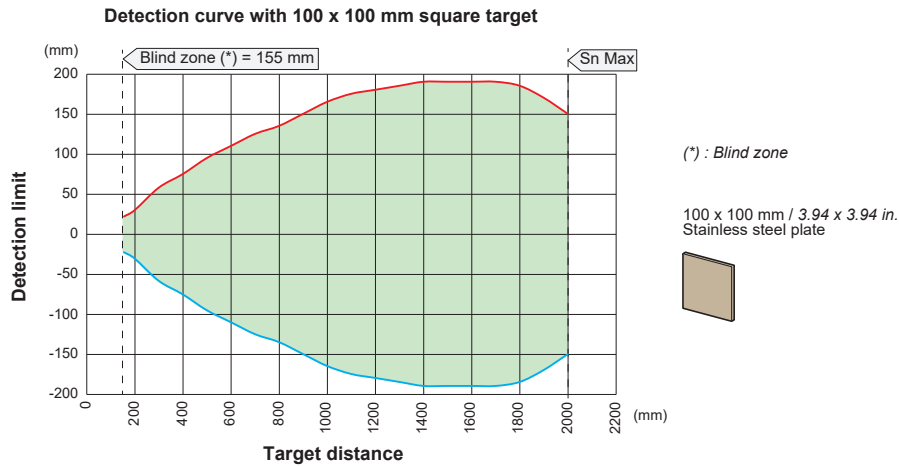
Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel.
No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

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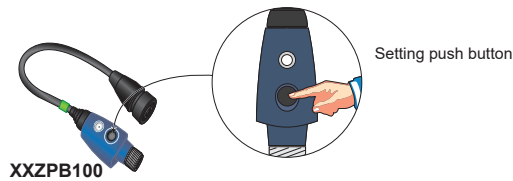
Tilt angle



Detection curves for different objects

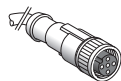


Wiring accessory

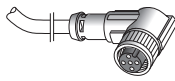


Cables

5-pin, 5-wire
(for synchronization)



XZCPV11V12L2 (2 m / 6.6 ft)
XZCPV11V12L5 (5 m / 16.4 ft)
XZCPV11V12L10 (10 m / 32.8 ft)



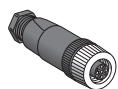
XZCPV12V12L2 (2 m / 6.6 ft)
XZCPV12V12L5 (5 m / 16.4 ft)
XZCPV12V12L10 (10 m / 32.8 ft)

5-pin, 4-wire
(no synchronization)

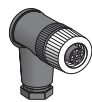
XZCP1141L2 (2 m / 6.6 ft)
XZCP1141L5 (5 m / 16.4 ft)
XZCP1141L10 (10 m / 32.8 ft)

XZCP1241L2 (2 m / 6.6 ft)
XZCP1241L5 (5 m / 16.4 ft)
XZCP1241L10 (10 m / 32.8 ft)

M12 connectors

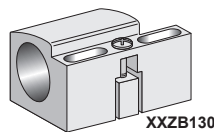


XZCC12FDM50B

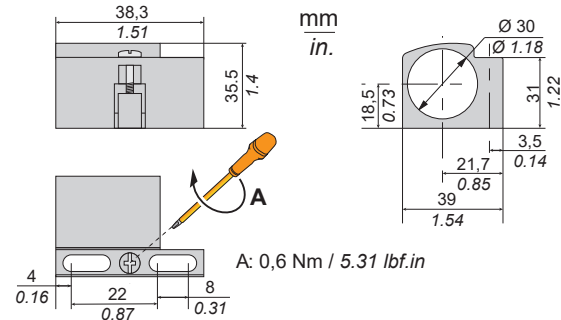


XZCC12FCM50B

Mounting accessory

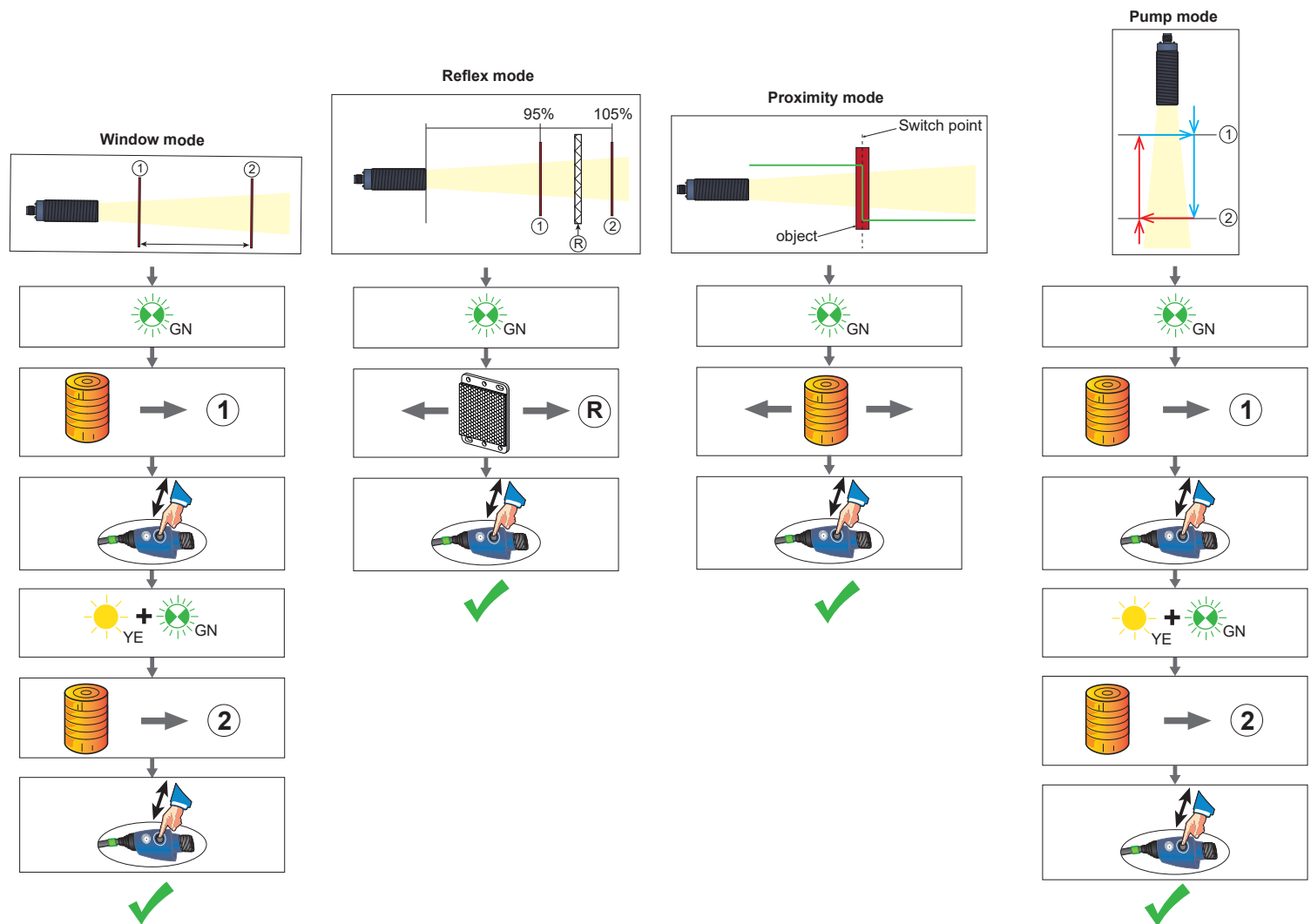


Recommended to use for sensor applications at operating temperatures -25 ... 0 °C (-13...32 °F)





Teaching procedure by detection mode



Scan the Qr-code to
access this Instruction
Sheet in different
languages.

**Note :**

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