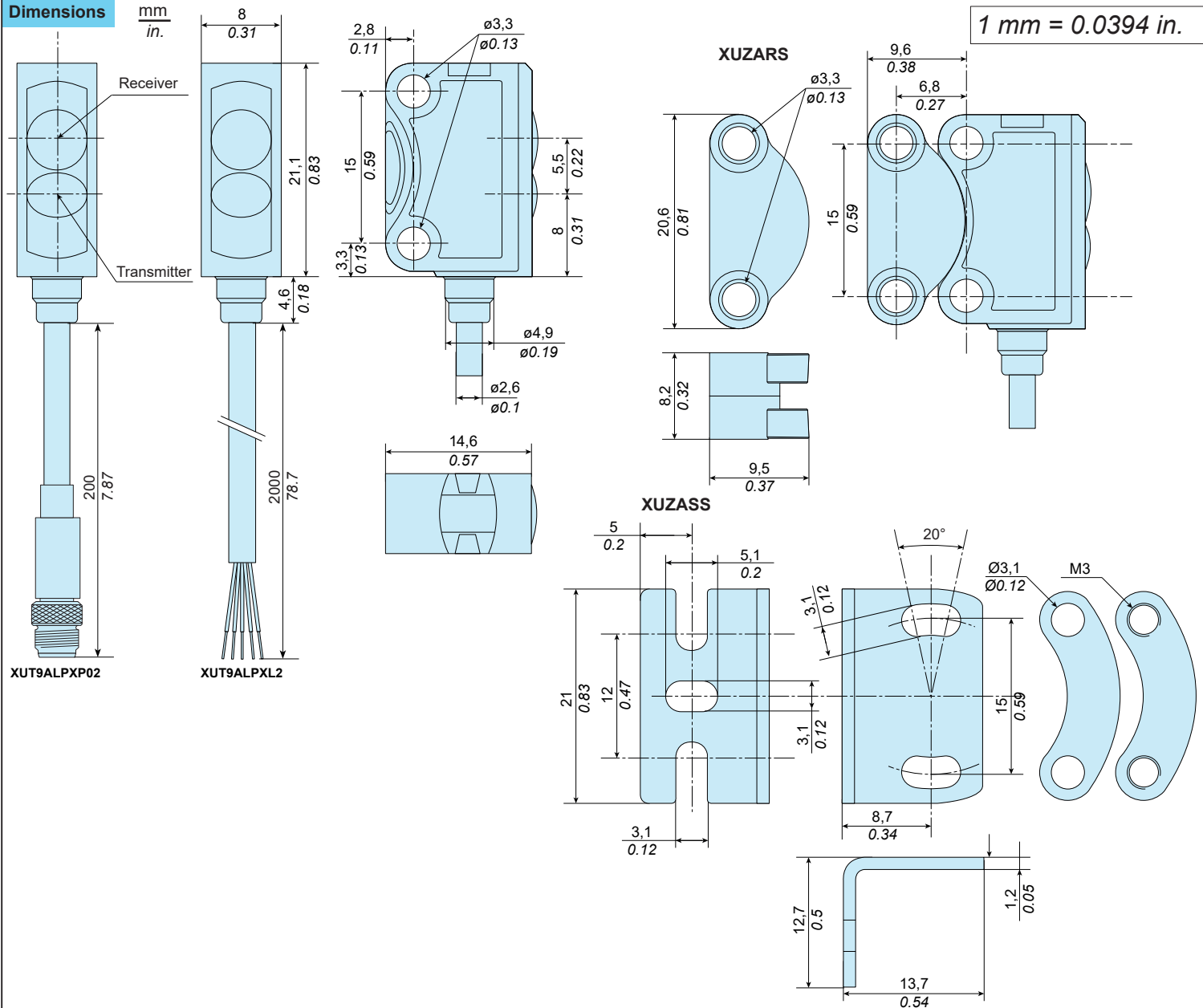


Dimensions

mm
in.

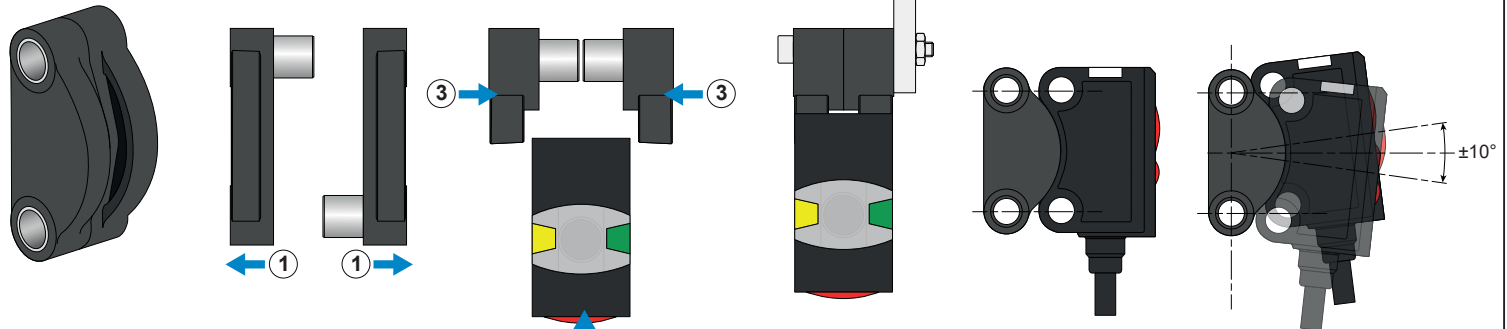
1 mm = 0.0394 in.



Accessories

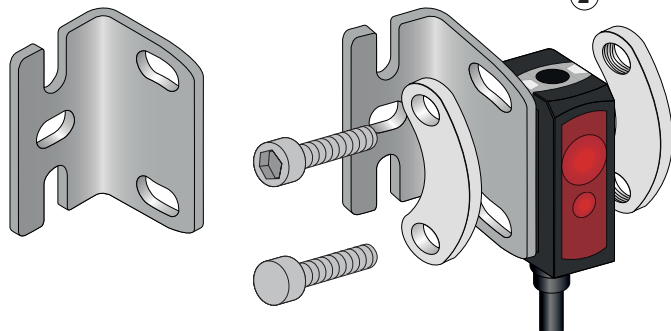
Dovetail clamp mounting (to order separately)

XUZARS

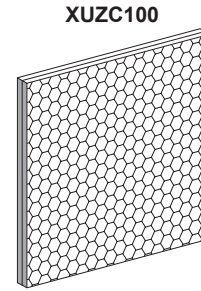
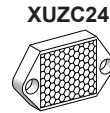
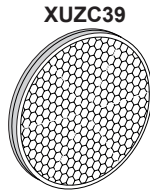
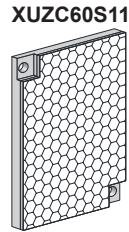
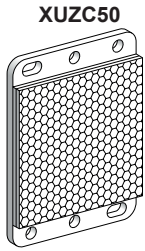


Mounting bracket (to order separately)

XUZASS

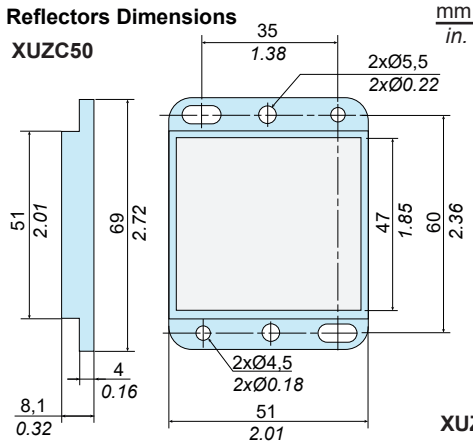


Reflector examples (to order separately)

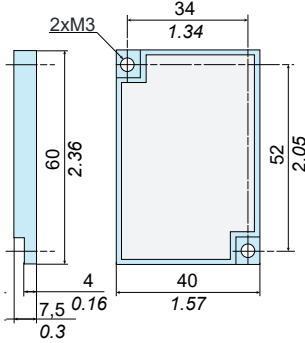


Reflectors Dimensions

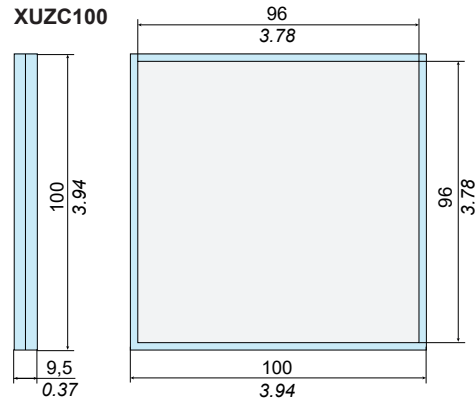
XUZC50



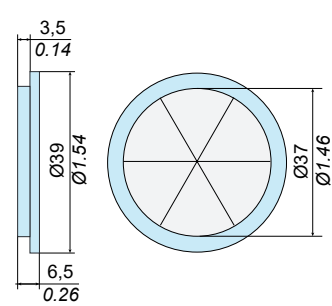
XUZC60S11



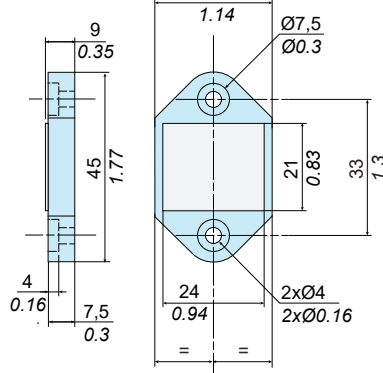
XUZC100



XUZC39



XUZC24



Pre-wired connectors (examples)

PVC cable for general use

PUR cable for severe industrial environments

Jumper



M8 - 4 pins plug
M8 - 4 pins socket

XZCR2609P2Y1 1m PUR
XZCR2609P2Y2 2m PUR

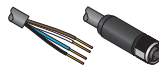
Jumper



M12 - 4 pins plug
M12 - 4 pins socket

XZCR1509041J1 1m PUR
XZCR1509041J2 2m PUR

Cable



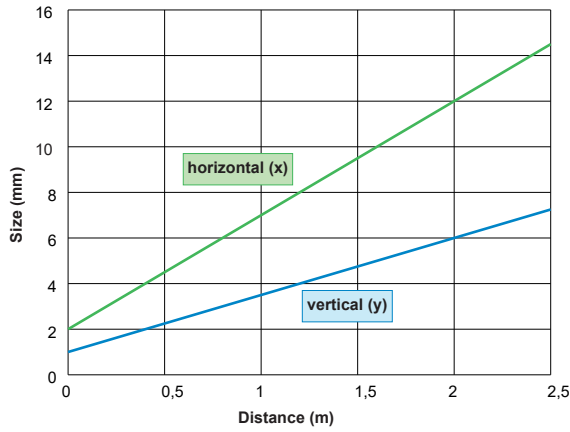
M8 - 4 pins socket
4 wires

XZCP0941L2 2m PUR
XZCP0941L5 5m PUR

For other cables (angled or length) visit our website: www.telemecaniquesensors.com

Curves

Light spot size

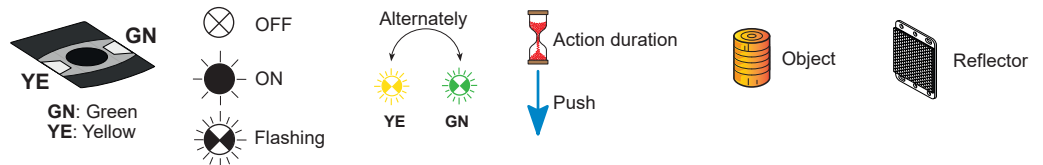
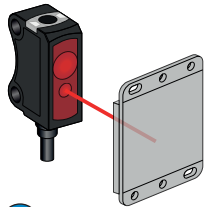


Setting

The sensor has 3 different Teach-in modes:

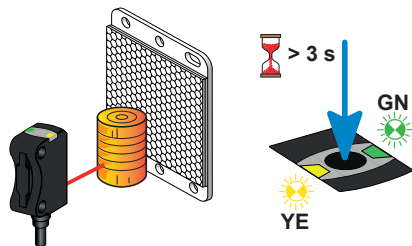
A-Standard Teach-in (STI): is suited for nearly all applications. Setting is made on object and background (see illustration A).

B-Dynamic Teach-in (DTI): is suited for setting the sensor in the running process, particularly for small objects (see illustration B).



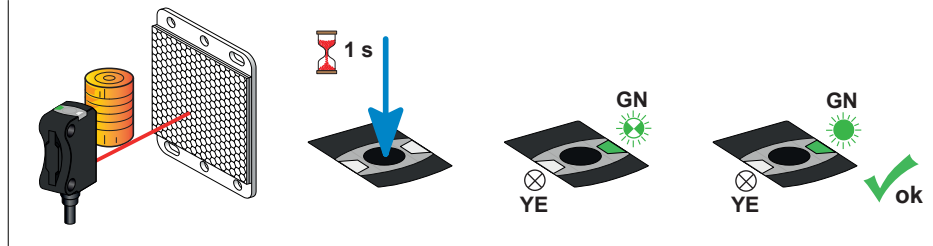
A Standard teach-in (STI)

Step 1: Teach-in object



Press Q > 3 s
until green and yellow LED flash at the same time.

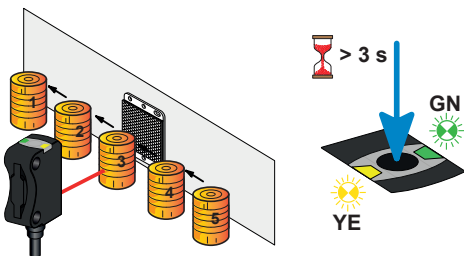
Step 2: Teach-in background



Press Q 1s
The green LED flashes

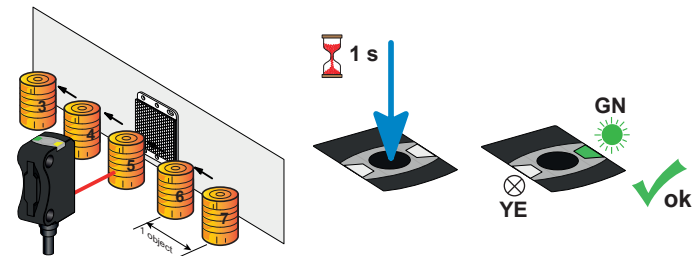
B Dynamic Teach-in (DTI)

Step 1: During running process



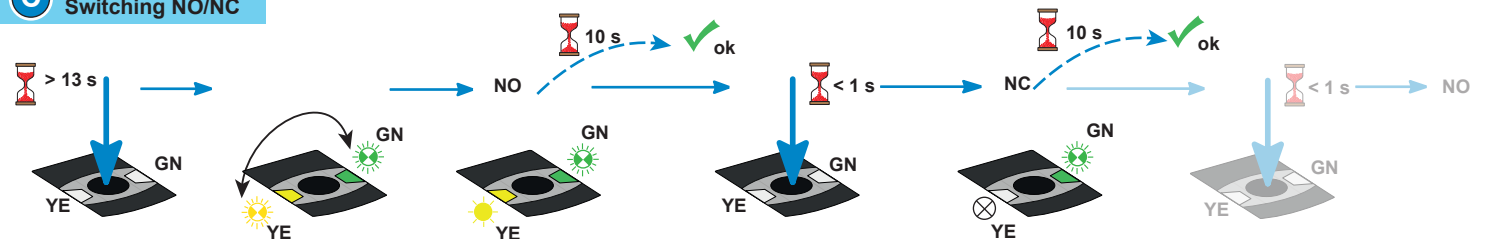
Press Q > 3 s
until green and yellow LED flash at the same time.

Step 2: Teach-in object during running process



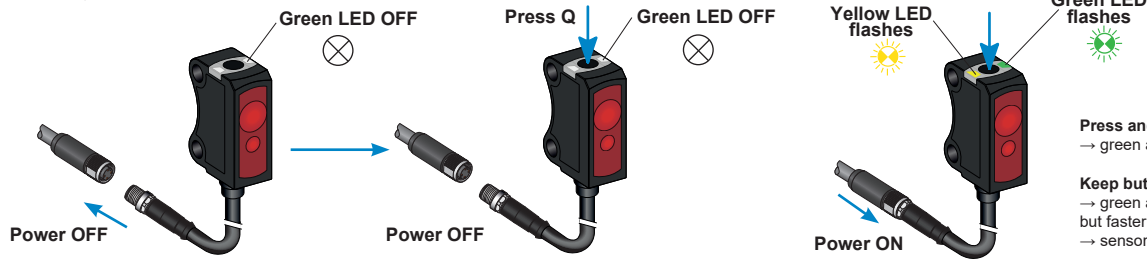
Press Q > 1 Object

C Switching NO/NC



**Factory Setting**

Max. scanning distance and NO

**Characteristics**

Certification	CE - UKCA - cULus - Ecolab
Sensing Range (using a 50 mm x 50 mm reflector XUZC50)	Maximum sensing distance: 0,1...4 m / 0.33...13.1 ft. Nominal sensing distance: 0,1...3 m / 0.33...9.84 ft.
Setting	Teach button
Color of detection light beam	Laser class 1, red, 655 nm
 Wavelength	$\lambda = 655 \text{ nm}$
Puls duration	$t = 3,2 \mu\text{s}$
Frequency	$f = 5 \text{ kHz}$
Limit of radiant power pulse	$P_p \leq 2,3 \text{ mW}$
Conformity	Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to laser Notice NO 56 dated May 2019
Light spot size	See spot size curve
Switching output Q	PNP (NO or NC)
Control input IN (switching function Q):	(+) = Teach-in (-) =  button locked Open = normal function
Current consumption	$\leq 12 \text{ mA}$
Switching capacity	$\leq 50 \text{ mA}$
Switching frequency	$\leq 1000 \text{ Hz}$
First-up delay	$< 300 \text{ ms}$
Response time	$500 \mu\text{s}$
Recovery time	$< 300 \text{ ms}$
Ambient Temperature	Operating : $-20...+50 \text{ }^\circ\text{C}$ ($-4...+122 \text{ }^\circ\text{F}$) - UL : $-20...+30 \text{ }^\circ\text{C}$ ($-4...+86 \text{ }^\circ\text{F}$) Storage : $-20...+80 \text{ }^\circ\text{C}$ ($-4...+176 \text{ }^\circ\text{F}$)
Power Voltage	Rated operational voltage: 24 Vdc Ripple p-p 10% maximum Operating range: 10...30 Vdc (including ripple)
Product protection	Power supply : Reverse polarity protection Output: Short circuit protection
Protection against electric shocks	 Protection class II
Degree of protection	IP67 conforming to IEC 60529
Vibration resistance	Conforming to EN 60947-5-2
Shock resistance	Conforming to EN 60947-5-2
Material	Housing: PUR, Front and Lens: PMMA

