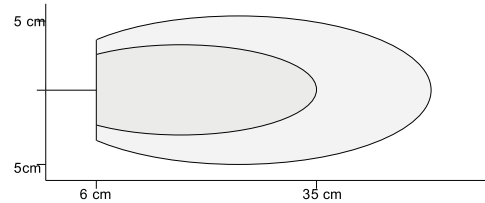


* TEACH IN *

ANALOGUE AND 2 SWITCHING OUTPUTS *



- Guaranteed detection of a target 100 x 100 mm²
 Sichere Erfassung eines Objektes 100 x 100 mm²
 Détection assurée d'une cible de 100 x 100 mm²
- Possible detection of a large target
 Mögliche Erfassung eines großen Objektes
 Détection possible d'une large cible

Detection Range/ Erfassungsbereich/Plage de détection

Technical Data

Detection range	60 ... 350 mm
Beam angle(°)	8
Carrier frequency	300 kHz
Temperature compensat.	Yes/Ja/oui
Analogue output	0 ... 10 V
Repeatability	<input type="checkbox"/> 2 mm <input type="checkbox"/> 0,4%
Response time	30 ms
Target speed <1m/s	200 ms
Stepp response	
Linearity	<input type="checkbox"/> 0.5% / 3mm
Output adjustment	Teach In
Switching outputs	2 NO/ NC ; PNP
Switching frequency	8 Hz
Hysteresis	1 % / 2mm
Output circuit	Open collector 100 mA
Set point adjustment	Teach In
NO or NC	Teach In
Set point indicator	2 LED
Alignment LED	Yes/ Ja/ Oui
Temperature range	-15-+70 °C
Storage temperature range	-25-+85 °C
Supply voltage	19-30 V DC
Current consumption without load	<=45 mA
Circuit protection	
Reverse polarity	Yes
Voltage spikes on supply and output lines	Yes
Short circuited switching output	Yes
Sealing IP	67
Housing	Plastic/ Kunststoff/ Plastique

!!! WARNING !!!

PERSANAL INJURI

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

Failure to comply with these instruction could result in death or serious injury

Analogue output adjustment

P1 and P2 defines the analogue output slope. P1 determines the 0 V position and P2 the 10 V position.

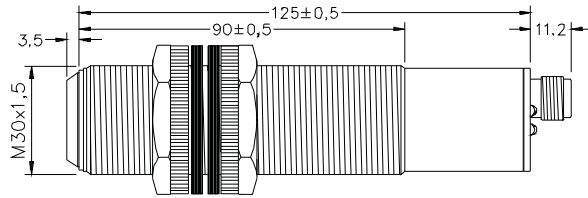
Positive slope: P1 < P2

Negative slope: P2 < P1

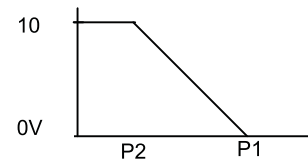
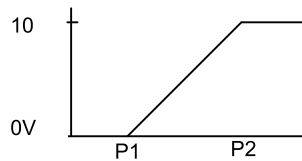
Switching output characteristic NO/NC

P1 and P2 also determines the position of the set points. Is during teach in of the set point the corresponding LED on, then the switching output has NO characteristics, is it off, then it has NC characteristics.

Teach in procedure /
Einlernvorgang /
Procédure de mis en mémoire



Dimensions



Normal function:

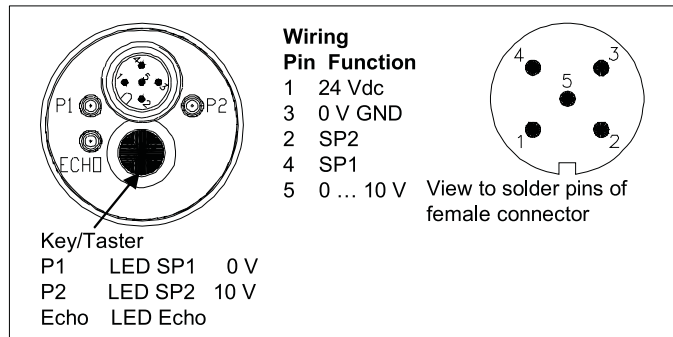
Echo LED on, when echo received (alignmen LED). LED2 P1 and P2 are indicating status the switching outputs

Teach In modus P (Position 0V and SP1)

Press key around 3 sec until LEDs P1 and Echo start blinking ~2Hz.
Release key: Now sensor is in Teach In mode for P1:
LED P1 is blinking ~1Hz, Echo LED normal function (alignment LED)
Within 1 min. P1 has to be programmed!
Place target at new position P1.
Press and release key, P1 is programmed.
Sensor returns into **normal function** with new value for P1.

Teach In modus P (Position 10V and SP2)

Press key around 6 sec until LEDs P2 and Ec start blinking ~2Hz.
After 3 sec. start LEDs P1 and Echo blinking, then after additional 3 sec. LEDs P2 and Echo are blinking with 2 Hz.
Release key: Now sensor is in Teach In mode for P2:
LED P1 is blinking ~1Hz, Echo LED normal function (alignment LED)
Within 1 min. P1 has to be programmed!
Place target to new position P2
Press and release key, P2 is programmed.
Sensor returns into **normal function** with new value for P2.



Key/Taster
P1 LED SP1 0 V
P2 LED SP2 10 V
Echo LED Echo

Assessories

10722399 Sensors / Sensor / Capteur	11722430	Beam deflector
	11722462	"
11722461 Connecting cable 2m	11722431	"
11722462 Connecting cable 2m, angled	11722428	Mounting clamp/