INSTALLATION GUIDE

Ultrasonic Web Edge Sensor UBA

For further information please see the data sheet at www.waycon.biz/products/ultrasonic-sensors/

FIRST STEPS

WayCon Positionsmesstechnik GmbH would like to thank you for the trust you have placed in us and our products. This manual will make you familiar with the installation and operation of our ultrasonic sensors. Please read this manual carefully before initial operation!

Unpacking and checking:
Carefully lift the device out of the box by grabbing the housing. After unpacking the device, check it for any visible damage as a result of rough handling during the shipment. Check the delivery for completeness. If necessary consult the transportation company, or contact WayCon directly.

GENERAL SAFETY NOTICE

WARNING! Not a safety component pursuant to 2006/42/EG and EN 61496-1/-2! May not be used for personal protection! Non-compliance can lead to death or serious injuries! Only use as directed!
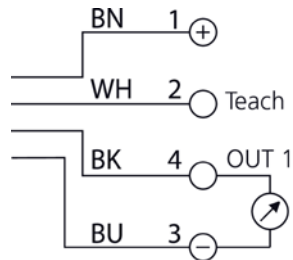
ELECTRICAL CONNECTION

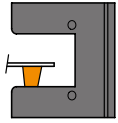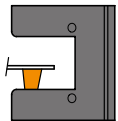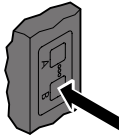| Function	Connector output	Connection cable K4P...
+V	Pin 1	BN
Teach	Pin 2	WH
GND	Pin 3	BU
Signal	Pin 4	BK

Connector output, M12, male

Circuit diagram

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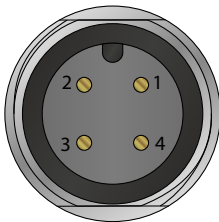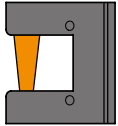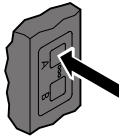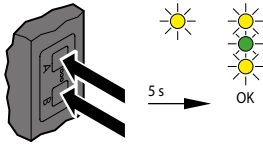
Object detection

0 V DC

- Insert object to be detected.
- Press button A until all three LEDs are shining.

10 V DC

- Remove object from detection area.
- Press button B until all three LEDs are shining.

0 V DC

- The teach process is completed successfully if the voltage output is 0 V when an object is inserted.

Inverting the signal

- Press buttons A and B at the same time for 5 s until the LED for A (yellow) lights up.
- Release buttons A and B.
- Acknowledgement is signalled by all 3 LEDs flashing (6 times).

Resetting to factory settings
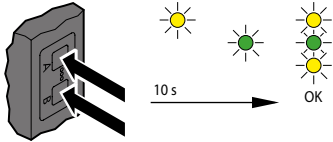
- Press buttons A and B at the same time for 10 s until the LED (green) lights up.
- Release buttons A and B.
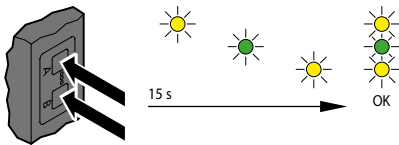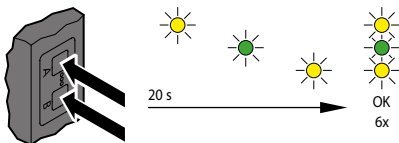- Acknowledgement is signalled by all 3 LEDs flashing (6 times).

Button lock

- Press buttons A and B at the same time for 15 s until the LED for B (yellow) lights up.
- Release buttons A and B. Acknowledgement is signalled by all 3 LEDs flashing (6 times).
- The buttons are unlocked in the same way.

Change of the output function

- Press buttons A and B at the same time for 20 s until all 3 LEDs light up. Release buttons A and B.
- Acknowledgement is signalled by all 3 LEDs flashing (6 times).
- Reset the analog output to 0...10 V (factory setting) in the same way.

WayCon

DECLARATION OF EU-CONFORMITY

WayCon Positionsmesstechnik GmbH
Mehlbeerenstraße 4
82024 Taufkirchen / Germany

This is to certify that the products

Classification   Ultrasonic Sensors
Series   UBA

fulfil the current request of the following EC-directives:
EMC-directive   2014/30/EU
RoHS   2011/65/EU

applied harmonized standards:
EN IEC 60947-5-2:2020, EN IEC 60947-5-7:2003, EN IEC 63000:2018

The declaration of conformity loses its validity if the product is misused or modified without proper authorisation.

Taufkirchen, 18.08.2022   Andreas Täger
    CEO