wictolouic



Operating manual

wms ultrasonic sensor

wms-25/RT/HV/M18 wms-340/RT wms-35/RT wms-600/RT wms-130/RT

Product Description

The wms sensors require a connection to the customer's own control and signal evaluation equipment.

Safety Notes

- Read the operating manual prior to start-up.
- Connection, installation and adjustments may only be carried out by qualified staff.

No safety component in accordance with the EU Machine Directive, use in the area of personal and machine protection not permitted.

The wms sensors indicate a **blind zone**, in which the distance cannot be measured. The **operating range** indicates the distance of the sensor that can be applied with normal reflectors with sufficient function reserve. When using good reflectors, such as a calm water surface, the sensor can also be used up to its **maximum range**. Objects that strongly absorb (e.g. plastic foam) or diffusely reflect sound (e.g.

pebble stones) can also reduce the defined operating range.

Proper Use

wms ultrasonic sensors are used for non-contact detection of objects.

Installation

- → Mount the sensor at the place of fitting.
- → Connect a connection cable to the M12 device plug.
- → Connect the sensor to your own control and signal evaluation equipment according to Fig. 1.

Signal input »Transmitter«

A signal on the input makes the wms sensor emitting a sound pulse. For this a open collector output has to earth the "stransmitter" signal input for the time given in the technical data table below.

Signal output »Echo«

The signal output »Echo« subsequently transmitts all echo signals received depending on the duration as 1-bit values (echo yes/no).





Fig. 1: Pin assignment with view onto the sensor plug and colour code of the connection cable





