SyncBox2

Unit for synchronisation of ultrasonic sensors from the zws range

Description of product
The SyncBox2 is able to synchronise up to 50 ultrasonic sensors from the zws range. One of 4 different repetition rates can be set via one push-button and the control input.

Assembly
■ Connect the sync connection on the ultrasonic sensors with the sync output of the SyncBox2.

Synchronising sensors
■ Adjust the setting as shown in the diagram »Set repetition rate« and Fig. 1.

The SyncBox2 must be adjusted to the sensor range of the ultrasonic sensors connected. If sensors with different ranges are to be synchronised, the setting of the sensor with the widest range must be selected.

Setting the repetition rate
■ Determine the repetition rate according to the table.
■ Teach-in for repetition rate range as shown in the diagram »Teach-in repetition rate«.
■ Set the repetition rate via the control input.

Technical data

### Operating instructions

#### SyncBox2

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#### Technical data

- Operating voltage U₀
- Voltage ripple
- No-load current consumption
- Housing
- Class of protection to EN 60 529
- Type of connection
- Controls
- Indicators
- Programmable
- Operating temperature
- Storage temperature
- Weight
- Synchronisation output
- Time delay before availability

- Order no. SyncBox2

#### Factory setting
■ Repetition rate set to 10 ms.

#### Maintenance
The SyncBox2 is maintenance-free.

#### Teach-in repetition rate range

- Depress push-button for c. 3 s until both LEDs flash simultaneously
- green LED on
- yellow LED on: repetition rate range
- short flashing

- To change depress the push-button for the repetition rate range for c. 1 s

- Wait for 10 s
- Normal operation

#### Technical data

- Sensor model
- Repetition rate at the sync output
- Repetition rate range
- Voltage at the control input
- LED green
- LED yellow

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