C·S·S
MICRO SYSTEMS

AssistX AS one

Acousticsensor

User Manual

User Manual: 1.01
AssistX AS one

AS one is a care caller sensor that may be triggered non-contacting, only by voice. Through its varied setting options **AS one** may be well adapted to the users vocal capabilities and environmental noise is effectively suppressed.

AS one comes with an AssistX Port and thus may be used together with all compatible AssistX devices.

- Responses to noise that matches the preset volume, duration and frequency.
- Simple intelligible multi colour LED for setup and feedback
- Special impulsmode for users with limited vocal capabilities
- **AS one** is self-monitored. In case of malfunction it triggers a call

JYSK HANDI 🐝
Jysk Handi
Hornbjergvej 11
DK 8543 Hornslet
Tel: +45 86 99 65 00
www.jyskhandi.dk

TD 09.03 - Brugervejledning -
AS one - Rev. 1.01 - UK
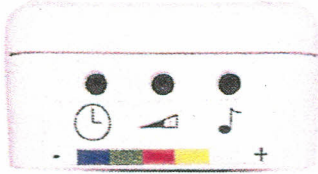
Acousticsensor AssistX AS one

C·S·S MICRO SYSTEMS

Connection

Connect **AS one** with the enclosed appropriate cable to the AssistX Port of any AssistX device. (**AssistX Call, AssistX Mobil** or **ClickMan** V1.2 and later (red sensor-socket) .

Function

AS one can learn the frequency that trigggers a sensor reaction. The sensor reacts to noise that comes with defined frequency and volume and that is held for an adjustable duration.

Optional, in impulsemode the sensor reacts to any noise that reaches an adjustable volume.

Tone-Modus (default)

Sensitivity, holdtime and tolerated deviation from the preset frequency, can be adjusted using the three pushbuttons.
Best detection is given for a sounding hum.

Impulse-Modus

Users that can hold a sound only for a very short time, can use the impulsemode. Then AS one triggers immediately when the detected sounds reaches the adjusted volume. There is neither a holdtime nor a frequency range.

Impulsemode – Tonemode

To select the operation mode, press the according button **while plugging in** the sensor cable. (Power on AS one) After releasing the button, the mode is set. AS one confirms with the buzzer sounding once.

Pressed button while plugging	Set mode	LED	Function
	Impulsemode	● rot	AS one triggers immediately when the detected sound reaches the adjusted volume. There is neither a holdtime nor a frequency range
	Tonemodus (Normal mode)	● grün	Presets AS one to a frequency of 300Hz +/- 100 Hz and a holdtime of 1s. This setting covers the human voice for the most part.

Sound Preset

AS one can be adapted to the users vocal capabilities. The user hums for 1.5 seconds. The frequency of the soundsample is saved as the frequency basic setting. Additionally the tolerated deviation from the preset frequency can be adjusted. (Tone range)

To change the sound presetting:

	Press time button and hold
	Additionally press the tone button
	Release both buttons. (Regardless order) The buzzer sounds once. **Start your humming noise now.**

● blau (1,5s)	When the sound stops, the LED lights up blue for 1,5 seconds. AS one now samples the sound that comes with its integrated microphone..
● grün	If the soundsample came with enough volume, the LED lights up green and the frequency of the soundsample is saved.
● gelb	In case of a very weak soundsample the LED lights up yellow and the Frequency presetting remains unchanged.

C·S·S
MICRO SYSTEMS

Sensitivity – Tone range - Holdtime

Use the three buttons to show or change the AS one settings. When pressing an button, the LED colour represents the actual setting of the respective parameter.

Show settings

When pressing a button, the LED colour represents the actual setting of the respective parameter. After release, the LED keeps it colour for one second. Then it turns off.
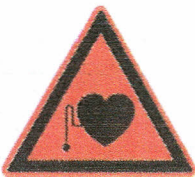
Button	Setting	LED		Funktion
	Holdtime	• blue • green • red • yellow ○ white	0,5s 1,0s 1,5s 2,0s 2,5s	AS one in **Tonemode**: Span of time the sound must be kept inside the set frequency range
				AS one is **Impulsemode**: Button has no function when AS one is set to impulsmode.
	Sensitivity	• blue • green • red • yellow ○ white	high low	When set to hight sensitivity, AS one reacts to weak input signals.
	Tone range	• blue • green • red • yellow ○ white	wide narrow	AS one in **Tonemode**: Accepted deviation from the frequency presetting.
				AS one is **Impulsemode**: Button has no function when AS one is set to impulsmode.

Change settings

By repeated pressing of one button, you can move through the whole adjustment range. The LED shows the actual setting. One second after the button is released, the LED starts blinking for two seconds.

Enter setting	Press the button while the LED is blinking to save the new setting. AS one confirms with a longer sound.	♩
Discard changes	Leave the button released until the blinking LED turns off after two seconds AS one keeps on using the last saved setting and confirms with the buzzer sounding short.	♪

Basic notes

DIN VDE 0834	**AS one** together with **AssistX Call** or **AssistX Mobil** meets the requirements of DIN VDE 0834 for call systems.
Interval of inspection	Within the scope of DIN VDE 0834 for call systems, **AS one** has to be inspected four times a year.
Replacement cable	Be shure to always have a replacement cable to connect **AS one** to an **AssistX Port**
Cleaning	AS one may be damp cleaned using a mild detergent. Don't dip into water!
	The mounting plate contains a strong neodym magnet. Magnets can affect cardiac pacemakers and implanted defibrillators. • The pacemaker could be switched into testmode and cause discomfort. • A defibrillator could stop working. • Keep enough distance to magnets if you use such devices. • Advice other users of such device against getting too close to magnets. Recommended safty distance is 4 inch (10 cm)
	Magnets cause a far-reaching magnetc field. They could damage TV sets, laptops, PC harddrives, creditcards, ATM cards, data storage, mechanical watches, hearing aids and speakers. . Vehicle keys, USB sticks, cameras, cell phones and smart phones contain non-magnetic storage media. Therefore, static magnetic fields near those devices cannot delete data. There are countless covers with magnetic closures or magnetic holders on the market, which also speaks against the notion that magnets can damage these devices. However, it cannot be ruled out that very strong magnetic fields might magnetise and maybe damage mechanical parts or built-in speakers. When in doubt, keep these devices away from strong magnets.

Save the environment

This electronic device contains recyclable materials and must not be disposed of with the household waste. When you dispose of this device, hand it in at a collection point for electronic devices (You can get information on collection points in your region from the local authorities).

Technical data

Powersupply	12VDC via AssistX Port
Connection	**AssistX Port**, 3.5mm jack
Range of Frequency :	80 - 600 Hz (Ton mode)

CSS Microsystems GmbH
In den Hofäckern 16
D- 74189 Weinsberg

WEEE DE94635635

www.css-microsystems.de