

# Breath-Activated Call Detection Device

**Art.: ERTH0985**



*Breath-Activated Call Detection Device*

## Description

### What is a Breath-Activated Call Detection Device?

Breath-Activated Call Detection Device is a contactless respiratory indicator designed to enable easy and reliable communication for highly disabled patients, including those with severe geriatric disabilities, akinesia, or paralysis (tetra- or paraplegia). With just a slight breath, this device can activate a call to healthcare staff, improving response times and patient comfort.

## Features

- **Breath-Controlled Activation:** A slight breath is enough to trigger a call.
- **Visual Feedback:** Optical status display. The sensor includes an optical status display, providing clear visibility of its operational status.
- **Ambient Sound Blocking:** The device is equipped with a feature that blocks the activation of calls when loud ambient sound is present.

- **Adjustable Locating Light Brightness:** Adjustable control of the brightness of the locating light at the sensor head.
- **Hygienic and Easy to Maintain Design:** Filter- and tube-free system, made from durable stainless steel, which is easy to clean and maintain, ensuring a hygienic environment.
- **Flexible Mounting:** The adjustable gooseneck allows for easy positioning of the sensor in the optimal location.

## Benefits

- **Enhanced Communication:** Offers a reliable, hands-free way for patients to communicate their needs without requiring physical interaction.
- **Instant Visual Feedback:** The device includes an optical status display, providing clear visibility of its operational status.
- **Enhanced Reliability:** Blocking calls during periods of loud ambient noise, ensuring that only intentional calls from the patient are registered, reducing interruptions, and improving the overall reliability of the system.
- **Optimal Night-Time Visibility:** The adjustable brightness ensures that the locating light is bright enough for patients to find the sensor head easily at night, without causing any disturbance to their rest.
- **Hygienic and Safe:** The contactless design and easy-to-clean materials make it a hygienic choice for care facilities, reducing the risk of contamination.

## Best Settings

- General Wards.
- ICUs.
- Post-Operative Care.
- Rehabilitation Centers.
- Pediatric & Neonatal Units.
- Long-Term Care Facilities.

## Technical specification

### Power supply

- **Operating voltage:** 24 VDC

### Controls

- Ambient sound suppression
- Locating light brightness

- Call suppression (by optional magnetic key) (**optional**)

#### Dimensions\*

- **Housing:** 130 x 80 x 30mm (W x H x D)
- **Mounting clamp:** 135 x 88 x 44mm (W x H x D)
- **Positioning arm:** approx. 600mm (L)
- **Blow sensor diameter:** 25mm

#### Weight (Net)

- 920g\*

#### Material

- **Positioning arm:** stainless still.
- **IP Rating:** IP 30

#### Other

- **Mounting on:** Beds, table edges, or wall rails.
- **Cleaning Device:**
  - **Device:** Use of a soft, slightly moist cloth with a small amount of cleaning agent, optionally with disinfecting agents according to EN 16615, is recommended. Do not use abrasive cleaning agents.
  - **Sensor head:** The surface and the protective cover can be disinfected.
- **Optional:**

Integrated temporary switch-off option via magnetic key, that allows suppressing call activations during patient care activities, etc.

#### Caution:

- **Background-noise suppression:**
  - The ambient sound level control allows for adjusting the sensitivity of the ambient sound detection. A typical setting is "2". In case of doubt, a setting for low-level background noise levels should be selected although this will increase the possibility of incorrect call triggering.
  - Rotating the control anti-clockwise to smaller numbers has the effect that even low-level background noises will block the triggering of calls. However, this will increase the sensitivity of the device to blowing noises for call triggering.

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- Rotating the control clockwise to higher numbers has the effect that only high-level background noises will block the triggering of calls. However, this decreases the sensitivity of the device to blowing noises.
  - **Distance between the sensor head and the patient's mouth:**

The distance should be selected such that normal respiratory sounds do not trigger calls, but blowing is interpreted as a call. The optimum distance for each particular patient is to be determined by trying out. Typical distances between 5 and 15 cm have proven effective.

Compliant and tested with CE certification requirements.