



# User manual KK100



## Cheek switch KK100 V1.2



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## Warning and safety regulations



- Read the intended use before putting into service.
- The product is not water-resistant unless noted in product specification.

#### Contraindications

In general, the product cannot be used if:

- The disabled client/patient is mentally ill.
- The disabled client/patient is critically ill.
- The client/patient is unable to use the transmitters.

#### Lifetime after mounting of the device

The battery, if applies, must be replaced when the battery replacement information appears on the display and according to the user manual.

Lifetime is evaluated in relation to the pressure button. This is made according to the supplier's specification.

#### Lifetime battery (products using battery, only)

KNOP calculates the life of the batteries. See specification in the user manual.

#### Intended use

In general, the different variants of the medical device (transmitters/receiver system from KNOP Elektronik) are made as assistive aid for impaired/disabled patients to be able to call for assistance.

The various variants of the medical equipment consist of a combination of products (transmitter and receiver) designed to call for help to impaired/disabled patients; The transmitter-receiver system can be activated in different ways:

- For example, patients who actively do this and are aware that they are calling for help, such as e.g., people with walking difficulties who need help going to the toilet.
- Or disabled patients who are not aware that they are inadvertently putting pressure on the sendere.g. during a seizure.
- Or patients with intellectual and cognitive deficits who are not aware that a receiver is receiving a signal from their transmitter when they leave a house or room.

The system is not designed for critically or mentally ill persons.

#### General product description

The products manufactured by KNOP elektronik consist of several variants of transmitters and receivers that can be combined with each other. In addition, these products are used in combination with positioning and repeater systems.

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These products are medical devices intended to call for assistance and are used for disabled/mobile people, such as those with walking difficulties who need help going to the toilet. The transmitters are activated, for example, by a sound or by pressure (e.g. by pressure with a finger or a breath through the mouth). The recipient is supervised by health care personnel or lay people in private homes.

The system is not designed for critically or mentally ill people.

Part of product	Function in the product system		
Transmitter	The transmitter can send the signal obtained from the patient to the receiver monitored by the healthcare personnel or lay person.  The transmitter products can be activated by button, sound, blow or movements.		
Receiver	The transmitters can be coded into all the receivers and to several receivers at the same time.  Some receivers also have a summon button for calling assistance from their coworkers.		
Repeatersystem	If it is needed to cover a more comprehensive and larger area a repeater system is used. The repeater system also gives an increased functionality as e.g. that an alarm automatically is received at first at the healthcare person closest to the client.		
Positionsystem	If a sender is equipped with a position receiver it can be used in connection with a Position system. Not all product variants include position receivers. Typically, it is seen in connection with nursing homes and security for patients with dementia.  The receivers can be portable or stationary.		



## **Product description**

The product is designed to be placed close to the user's head, for example, so that the alarm can be activated by turning the user's head towards KK100.

KK100 can be used when the user cannot activate an alarm with a pull cord or push button.

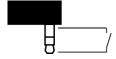
KK100 must be used in conjunction with a KNOP Elektronik transmitter or existing call systems.

## **Commissioning**

After installation, it is important that the user and staff test the product. Staff should receive an alarm on their alarm device/receiver. Please refer to the user manual of the transmitter or paging system used.

## **Connection**

KK100 has a 3m cord with 3.5mm jack. Potential-free contact between frame and tip. Max. 36V/100mA.





## Service

When the user activates KK100, an alarm is sent via the connected transmitter or pager.

## Location

KK100 shall be positioned so that the user can easily activate the ball on the switch. The cheek switch can be mounted on a gooseneck, for example. Please contact your dealer for further information.

# Cleaning

The product can be cleaned with a damp cloth or a disinfected wet wipe.

# Spare parts and accessories

Spare parts and accessories can be ordered on our website www.knop.dk



## Technical data

**Surrounding environment:** Indoor use ≤ 90% non-condensing

Ambient temperature: 0°C to +40°C

**Enclosure type:** White polyoxymethylene **Enclosure dimensions:** Ø: 43mm L: 106mm

Thread for mounting: 3/8"

Density: IP40

Weight: 90g

The right to make changes is reserved.

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# Explanation of symbols and approvals

CE	This product complies with: Directive 2017/745/EU Directive 1907/2006/EU Directive 2011/65/EU Directive 2012/19/EU ISO 14971:2019 EN 301 498-1 V2.2.3 EN 301 489-3 V3.1.1 EN 50130-4:2011 + 2014 EN 300 220-1 V3.1.1 EN 300 220-2 V3.1.1 EN 300 220-3 V2.1.1 EN 60601-1-2:2014 + 2015 EN 62368-1:2020 EN 50581:2012	MDR REACH ROHS WEEE Risk Management for Medical devices Electro Magnetic Compatibility Electro Magnetic Compatibility Immunity alarm systems Short Range Devices Short Range Devices Short Range Devices Electromagnetic compatibility (Medical) Electrical safety Hazardous substances	
(A)	The product must not be used if the packaging is damaged.		
MD	Medical Device Class 1, rule 1		
	Manufacturer KNOP Elektronik A/S, Fabriksvej 20, DK-7600 Struer, Denmark		
[]i	Read the manual(s) before installation and commissioning at www.knop.dk.		
((p))	Interference may occur in an environment with equipment marked with this symbol.		
<del>*</del>	Must be protected against liquids.		
1	0 °C to +40 °C, temperature limit for transport/storage and use.		
	The product must not be disposed of with normal household waste.		
SRN	Single Registration Number DK-MF-000025631		
UDI	Unique Device Identifier KK100: 05744002852049		
REF	Product reference/product number/warning text.  KK100: Cheek switch		
SN	Serial number Placed on the product		
IP	Ingress Protection code		