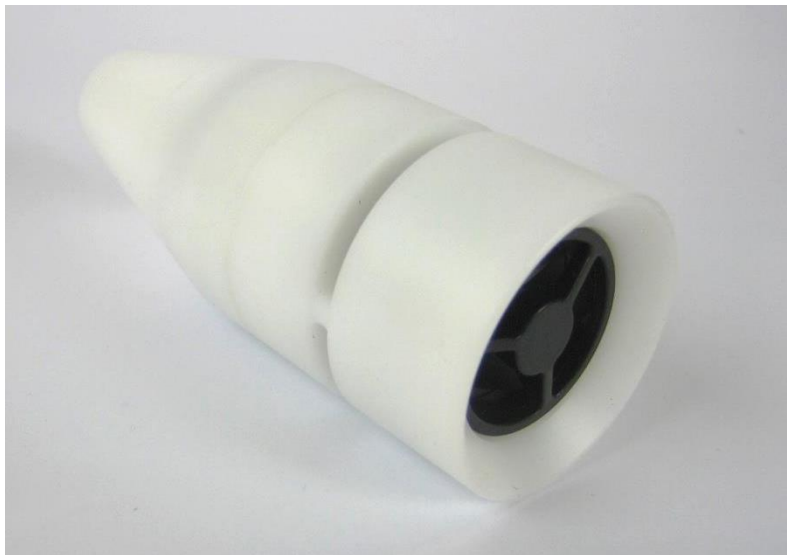


# User manual

# PU101





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## **Warnings and safety instructions**



- The battery in this product must compile with the relevant IEC safety standards for batteries.
- Do not consume or eat the battery as there is a risk of chemical burns.
- Keep new and used batteries away from children.
- If the battery compartment cannot be closed properly, discard the product, and keep it away from children.
- Read the intended use before using.

## **Intended use**

The product is designed to send codes to KNOP wireless receivers when the user blows on it.

PU101 can be used where the user is unable to activate an alarm with a pull cord or push button.

PU101 must be used in conjunction with a KNOP Elektronik transmitter or existing call systems.

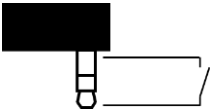
## **Testing and commissioning**

After installation, it is important that the user tests the product by blowing against the propeller.

Staff shall receive an alarm on their alarm system/receiver. Please refer to the user manual of the transmitter or paging system used.

## **Connection**

PU101 has a 3m cord with 3.5mm jack plug.  
Potential-free contact between frame and tip.  
Max. 36V/100mA.



## **Adjustment**

PU101 has the possibility to set multiple sensitivities on the switch inside the product - see photo below.

PU101 can be disassembled without the use of tools. Use a small screwdriver to adjust the switch.



- 1 = High sensitivity:  
Short weak puff.
- 2 = Medium sensitivity  
Slightly longer and stronger puff.
- 3 = Low sensitivity.  
Long strong puff.

0, 4-9: Reserved for other functions.



## Location

PU101 should be positioned so that the user can easily blow straight into the propeller.

The push contact can be mounted on e.g. a gooseneck, contact your retailer for more information.

## Service

When the user blows against the propeller, strongly enough (depending on the sensitivity described earlier) to activate PU101, it will flash green.

## Battery alarm

In case of low battery, a battery alarm with a red light appears through the propeller and on the sides when PU101 is activated with a puff.

## Changing the battery

The top and bottom of PU101 can be unscrewed without tools.



The battery is gently pressed out of the holder, for example with a cotton swab or a match.  
**Never use a metal object.**

Carefully insert the new battery into the holder **WITHOUT** using tools, as this may short-circuit the battery.

**Use a CR1632 battery.**  
**IMPORTANT + must be facing up.**

After changing the battery, check PU901 as described under "Testing and commissioning". It takes about 1 minute after battery change before it can be activated.



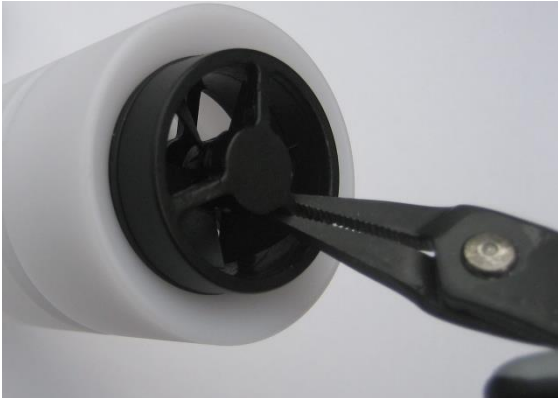
## ***Cleaning***

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

The propeller can be gently pulled out with pliers or other tools and cleaned.

The product is then thoroughly tested.

If necessary, the propeller can be replaced with a new one. See section "Spare parts and accessories".



## ***Spare parts and accessories***

Spare parts and accessories can be ordered on our website [www.knop.dk](http://www.knop.dk)



## Technical data

<b>Battery type:</b>	1 x CR1632, Lithium 3V 140mAh.
<b>Battery life (expected):</b>	Up to 1 year at 10 activations per day <sup>(1)</sup>
<b>Low battery alarm:</b>	At approx. 1/3 remaining capacity
<b>Power consumption (inactive):</b>	<1µA.
<b>Power consumption (active):</b>	<7mA for 3 seconds per activation.
<b>Ambient environment:</b>	Indoor use ≤ 90% <b>non-condensing</b>
<b>Ambient temperature:</b>	0°C to +40°C
<b>Enclosure type:</b>	White polyoxymethylene
<b>Enclosure dimensions:</b>	Ø: 43mm L: 106mm
<b>Density:</b>	IP40
<b>Weight:</b>	115g

The right to make changes is reserved.















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**KNOP** Elektronik A/S

<sup>(1)</sup> Expected battery life depends on usage and battery quality.



## Explanation of symbols and approvals

	<p><b>This product complies with these directives and standards:</b></p> <table border="0"> <tr> <td>Directive 2017/745/EU</td> <td>MDR</td> </tr> <tr> <td>Directive 1907/2006/EU</td> <td>REACH</td> </tr> <tr> <td>Directive 2011/65/EU</td> <td>RoHS</td> </tr> <tr> <td>ISO 14971:2019</td> <td>Risk Management for Medical devices</td> </tr> <tr> <td>EN 301 498-1 V2.2.3</td> <td>Electro Magnetic Compatibility</td> </tr> <tr> <td>EN 301 489-3 V3.1.1</td> <td>Electro Magnetic Compatibility</td> </tr> <tr> <td>EN 50130-4:2011 + 2014</td> <td>Immunity alarm systems</td> </tr> <tr> <td>EN 300 220-1 V3.1.1</td> <td>Short Range Devices</td> </tr> <tr> <td>EN 300 220-2 V3.1.1</td> <td>Short Range Devices</td> </tr> <tr> <td>EN 300 220-3 V2.1.1</td> <td>Short Range Devices</td> </tr> <tr> <td>EN 60601-1-2:2014 + 2015</td> <td>Electromagnetic compatibility (Medical)</td> </tr> <tr> <td>EN 62368-1:2020</td> <td>Electrical safety</td> </tr> <tr> <td>EN 50581:2012</td> <td>Hazardous substances</td> </tr> </table>	Directive 2017/745/EU	MDR	Directive 1907/2006/EU	REACH	Directive 2011/65/EU	RoHS	ISO 14971:2019	Risk Management for Medical devices	EN 301 498-1 V2.2.3	Electro Magnetic Compatibility	EN 301 489-3 V3.1.1	Electro Magnetic Compatibility	EN 50130-4:2011 + 2014	Immunity alarm systems	EN 300 220-1 V3.1.1	Short Range Devices	EN 300 220-2 V3.1.1	Short Range Devices	EN 300 220-3 V2.1.1	Short Range Devices	EN 60601-1-2:2014 + 2015	Electromagnetic compatibility (Medical)	EN 62368-1:2020	Electrical safety	EN 50581:2012	Hazardous substances
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	<p>The product shall not be used if the packaging is damaged.</p>																										
	<p><b>Medical Device</b> Class 1</p>																										
	<p><b>Manufacturer</b> KNOP Elektronik A/S, Fabriksvej 20, DK-7600 Struer</p>																										
	<p>Read the manual(s) before installation and commissioning.</p>																										
	<p>Interference may occur in an environment with equipment marked with this symbol.</p>																										
	<p>Must be protected against liquids.</p>																										
	<p>0 °C to +40 °C, temperature limit for transport/storage and use.</p>																										
	<p>The product must not be disposed of with normal household waste.</p>																										
	<p><b>Single Registration Number</b> DK-MF-000025631</p>																										
	<p><b>Unique Device Identifier</b> PU101: 05744002852032</p>																										
	<p><b>Product reference</b> PU101: Blow switch</p>																										
	<p><b>Serial number</b> Placed on the product</p>																										
	<p><b>Ingress Protection code</b> IP40</p>																										