



Warning

The use of a call device does not release supervisors from the obligation to supervise the persons supported by such a device. This system is radio-based and must therefore not be used for monitoring purposes if life-threatening conditions are foreseeable.

Package contents

Product	Order number ¹	Frequency ¹
Wireless pneumatic large-surface momentary call switch, incl. battery	990.214.0	443 MHz
	990.214.1	869 MHz
	990.214.2	868 MHz
Instruction manual	LE-227-EN	

¹Order number and frequency can be found on the identification decal on the bottom side.

Note: While unpacking, each shipment should be inspected for completeness and damage.

Note: In this manual, the **Wireless pneumatic large-surface momentary call switch** is referred to as “**large momentary call switch**”.

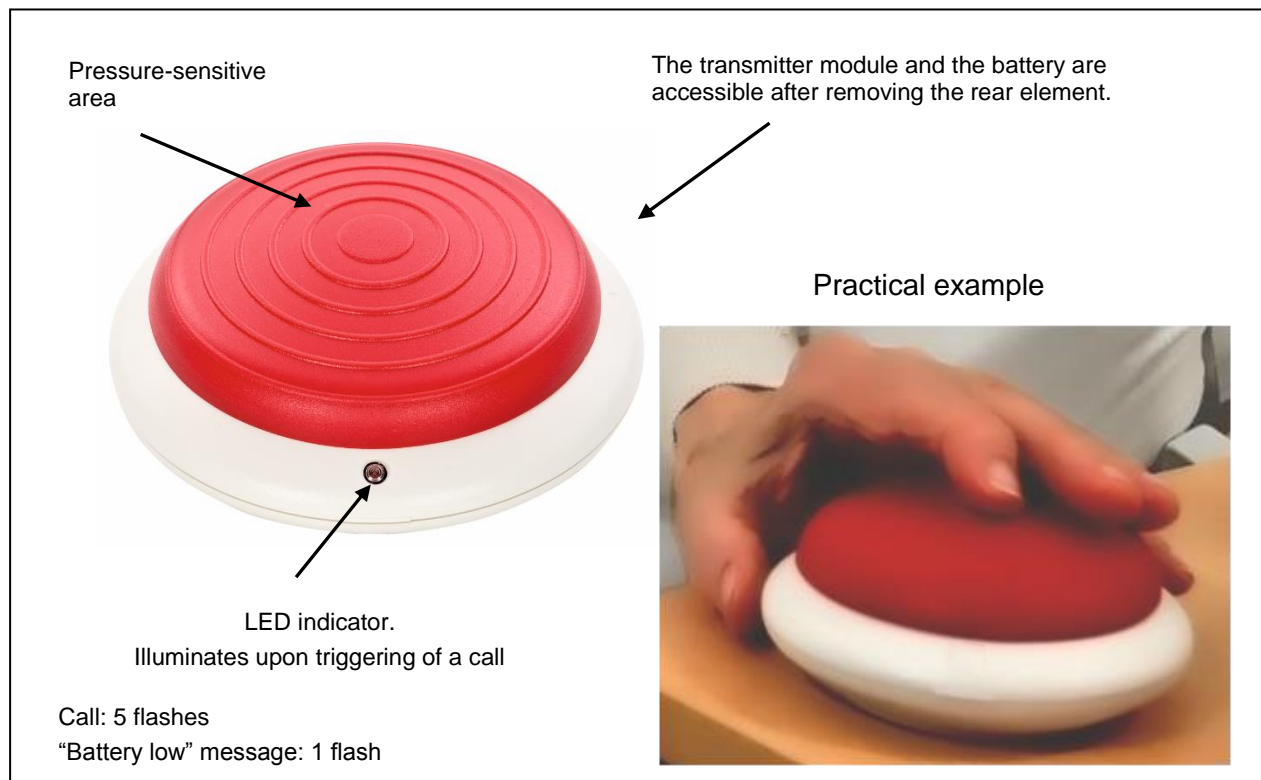
Use and Functions

A call is triggered by applying a slight pressure on the large red bellows. Thus the large momentary call switch is also suited for persons with greatly limited motor skills.

Placement

Place the product such that the user can reach it with the part of the body intended to trigger the call. If possible, turn the LED indicator towards the user so that he or she can see when it illuminates.

Fig. 1: large momentary call switch



Putting into operation

The large momentary call switch is supplied ready for operation, incl. battery. During initial putting into operation the switch must be programmed in a suitable **VARIOREC®** receiver and a range test must be performed.

Programming / deleting the large momentary call switch to / from a radio receiver

The “programming” to the radio receiver required for initial putting into operation and the “deletion” from the radio receiver that may be required if the transmitter is ported to another radio receiver can be found in the instruction manual of the respective radio receiver.

Switch off call messages

When actuated, the large momentary call switch sends one radio call signal to the respective receiver. This call signal can be switched off at the receiver. It is not possible to reset the call signal at the large momentary call switch.

Checking the safe range of the radio link

The range of the large momentary call switch meets the requirements of the technical inspection body of the German health insurance companies. Within buildings, a range of approx. 30 m can be expected. The range depends to a large extent on the local conditions.

Before using the transmitter for the first time, an interference-free operation of the radio link has to be ensured. Proceed as follows:

1. Switch **on** all electronic entertainment and communication devices (e.g., television sets, game consoles, and computers) in the immediate vicinity.
2. Check if the radio message is received by the call receiver at a distance exceeding the intended usage distance by approx. 5 to 10 m. Ensure that the message is triggered by a single call triggering!

Important: Repeat the check if the positions of electronic devices are changed or new electronic devices are put into operation in the immediate vicinity of the usage site.

Regular Measures

A weekly inspection with test call triggering and inspection of all indicator elements of the system is suggested. A successful transmission of a “battery low” message should also be checked. Moreover, a monthly range control is recommended.

Cleaning

Use of a soft, slightly moist cloth with a small amount of cleaning agent, optionally with disinfecting agents according to DIN/EN 13727, is recommended. Do not use abrasive and/or caustic cleaning agents.

Specifications

Model:	Manually operated momentary switch with very smooth large-area pneumatic triggering
Signal:	Call triggering by pneumatic contact, optical function display Wireless call transmission
Transmitter:	Frequency 433 MHz, FSK (Frequency Shift Keying) modulation Frequency 868 MHz, FSK (Frequency Shift Keying) modulation Frequency 869 MHz, FSK (Frequency Shift Keying) modulation (safe social alarm frequency)
Max. transmitting power:	10 mW
Power supply:	3 V button cells; type: CR 2032 Service life approx. 2-3 years with one activation per day
Protection class:	IP 44 (not suited for wet rooms)
Actuating area:	Ø 90 mm
Dimensions:	Approx. Ø 100 x 35 mm (DiaxH)
Weight:	125 g

Battery replacement



Important

After each battery replacement call triggering and range have to be checked in the same way as during initial putting into operation.

“Battery Low” message

Each time a call is issued, the battery status is also transmitted. If a “battery low” message is received (see information in Fig. 1), the battery of the large momentary call switch should be replaced within the following weeks.

Fig. 3: Battery replacement

Remove the lower part of the housing

1. Remove the two crosshead screws on the backside with a suitable screwdriver
2. Hold the upper part of the housing and turn the lower part of the housing to the left until the stop is felt (Fig. 1)
3. Remove the lower part of the housing (Fig. 2)

Replace the button cell

4. Fig. 3: Press down the retaining tab and push the discharged button cell out of the retaining clip using a non-metallic object. Press down the retaining tab and push a new button cell (CR2032 type) into the retaining clip [positive (+) terminal facing up].

Fig. 3

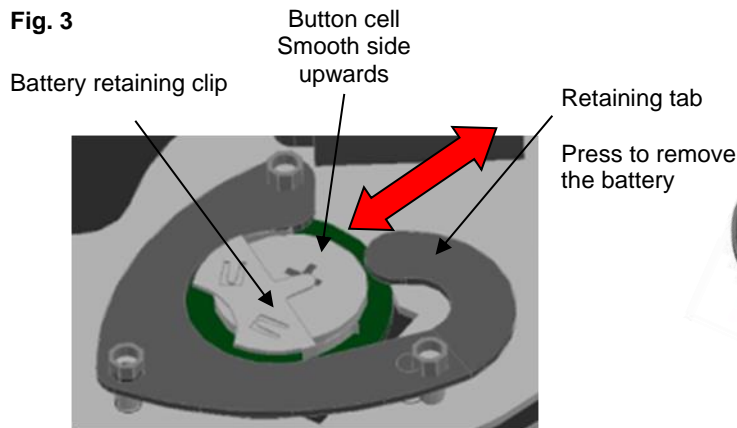


Fig. 1

Crosshead screw

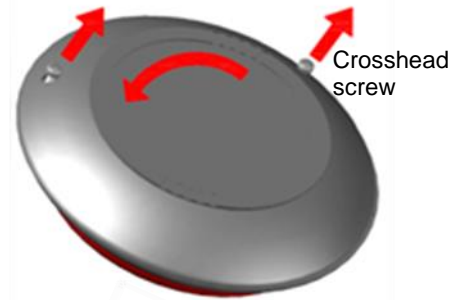
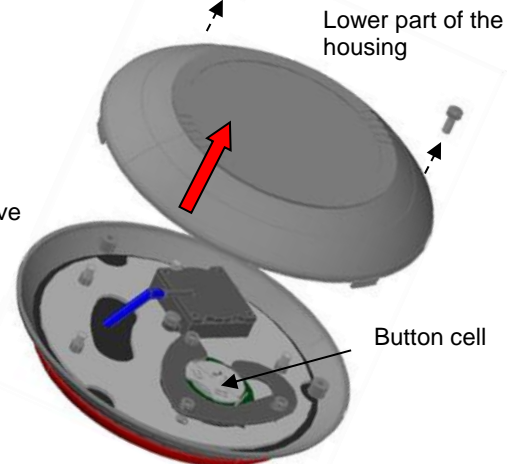


Fig. 2



Upper part of the housing (bellows bowl)

Reassemble the housing parts and screw them together

5. Place both parts of the housing on top of one another such that the centring strips below the LED are offset (Fig. 5.1).
6. In this position the three locking lugs (Fig. 4) can engage in the lower part of the housing. Fit the housing parts flush by slightly pressing them together.
7. Lock the lower part of the housing by turning it in a clockwise direction (to the right). Now, the centring strips are arranged one above the other (Fig. 5.2).
8. Insert and carefully tighten the two crosshead screws.
Important: Do not overtighten the two crosshead screws to avoid damage to the threads.

Fig. 4

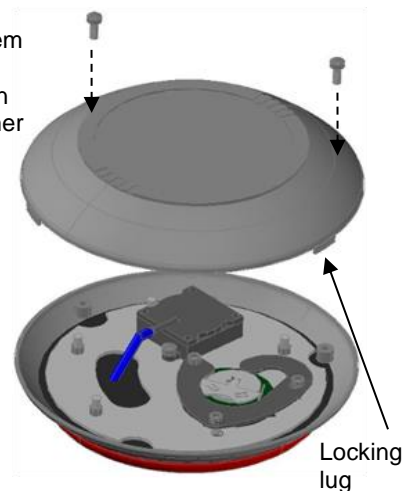
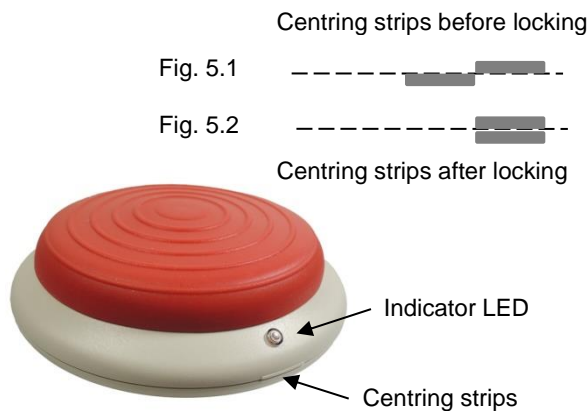


Fig. 5



Warranty

The manufacturer shall not be liable for any damage resulting from improper or inappropriate use. During the legal warranty period we shall correct, free of charge, all defects of the device attributable to material or manufacturing defects, either by means of repair or replacement.

The warranty shall become void in the case of interference by a third party or improper use. The warranty shall not apply to wear and tear of moving parts.

Service address

If problems occur despite correct handling or if the product has been damaged, please contact your dealer or the following address:

AAL-Homecare Deutschland - Wahner Str. 45 - 53859 Niederkassel - Homepage: www.aal-homecare.com

Disposal instructions

Used devices and batteries must not be disposed of together with domestic waste. Dispose of used devices, used batteries and packaging material according to applicable laws and disposal regulations.



Conformity and Legal Provisions

Lehmann Electronic declares that, if applicable, the product complies with the essential requirements and the other relevant provisions of the EMC Directive 2014/30/EU, the RED Directive 2014/53/EU and the RoHS Directive 2011/65/EU. You will find the complete declarations of conformity in the Internet under www.lehmannweb.de.



REACH Regulation Within the meaning of the Regulation we are a downstream user. The product is exempt from the specific labelling requirements of the Regulation. Further information is available on the website.