

SHORT INSTRUCTIONS FOR USE

This is the brief instructions for use of the device. You can find the detailed, extended guide on the www.babycontroldigital.eu website. You can also download the Manufacturer's Declaration of Conformity from here.

Introduction

Dear Carer,

Thank you for purchasing the Baby Control breathing monitor. You have taken the right step towards ensuring the safe and undisturbed sleep for your baby and hopefully for you as well! The Baby Control continuously monitors your baby's breathing movement rate whilst your baby is in his cot, crib or pram. We hope that you will be completely satisfied with your Baby Control breathing monitor.

Your Baby Control Team

1. The Baby Control continuously monitors the breathing of a baby sleeping in his cot, crib or pram.
2. The sensor pad is placed directly on to the base of the cot under the mattress and senses the baby's breathing movements. Information is then passed to the control unit to evaluate the measured values.
3. The Baby Control breathing monitor continuously detects breathing movements, if it is unable to detect breathing for twelve seconds it triggers an audible alarm. The detection sensitivity threshold can be adjusted (see "Adjusting the detection sensitivity threshold")
4. The Baby Control is not able to intervene when it is unable to detect breathing movements but it is designed to alert you to a possible serious situation. Only a person who has undergone a dedicated training course is able to give artificial respiration and perform resuscitation. Please ask your doctor for advice. Please regularly check the functionality of your Baby Control breathing monitor. Please contact your distributor if your device does not appear to be functioning properly.

The Baby Control breathing monitor can save a life, but it is not a life-saving device.

Control and display units of Baby Control breathing monitor

Key:

- 1 – ON/OFF button
- 2 – Numerical display
- 3 – Two piezo speakers
- 4 – Red indicator light
- 5 – Battery compartment
- 6 – Green indicator light
- 7 – Sockets to connect sensor pads
- 8 – Sensor pads wrapped in plastic
- 9 – T-connection



How to use the Baby Control breathing monitor

1. Insert two alkaline AA batteries (do not use rechargeable batteries) into the battery compartment (5) inside the control unit. Make sure the batteries are in the marked +/– direction.
2. Subsequently, the condition of batteries and control unit are automatically tested. You will hear an acoustic signal from the speaker (3) twice and the green indicator light (6) flashes once and the red indicator light (4) flashes twice.
3. Connect the sensor pad cable to the socket (7) located on the side of the control unit. The sensor pad (8) can be connected to any of the sockets (7).
4. Place the sensor pad (8) evenly on the base of the cot approximately located underneath where the baby's chest is likely to be and place the mattress over it. Never bend, fold or roll the sensor pads!
5. Attach the control unit to the baby's cot using the Velcro straps. The Baby Control cable must be secured so that the baby cannot pull it. The best way to do this is to wind it around one of the cot bars.
- 8. The Baby Control breathing monitor is now ready for operation.**

INFORMATION: When one sensor pad is used, we recommend placing it under the mattress lengthwise for safety reasons; when two and more sensor pads are used, place them crosswise. If all three sensor pads are needed, connect them to the control unit using the T-connection (included with the package). If the baby is already able to move around, the use of two or three sensor pads is advised, even though one sensor pad would fit the baby.

It may happen that the baby moves off one sensor pad during sleep and so the other pad can take over the sensing function.



IMPORTANT: In rare cases, especially with low weight babies or babies lying on their sides, it may occur that the sensor pad senses poorly and the displayed measured value is often below the pre-set threshold level of detection. A temporary solution may be to readjust the threshold level of detection (see “Adjusting the detection sensitivity”).

Switching ON/OFF your Baby Control breathing monitor

1. Press and hold the ON/OFF button (1) for 2 seconds. The Baby Control breathing monitor will not switch on if held for a shorter period than 2 seconds.
2. The pre-set sensitivity will flash on the display (2) five times. The factory setting is “3”.
3. Then the numerical values - “0” = no movement, “0” to “9” = there is any movement - will repeatedly flash on the display (2).
- 4. The Baby Control breathing monitor is now switched on and ready for operation.**
5. The green indicator light (6) flashes when the intensity of movements reaches or exceeds the pre-set sensitivity level for detection.

6. The red indicator light (4) will start to flash following a short audible signal from the speaker (3), if a dangerous situation occurs (see “Alarm status of Baby Control breathing monitor”).

7. After the alarm signal is activated, you can stop the alarm by pressing the ON/OFF button (1) once. The control unit is switched off.

8. The Baby Control breathing monitor can be switched off by pressing the ON/OFF button (1) twice in succession. After the first press the display (2) shows “-” and if you press the ON/OFF button (1) again within 5 seconds, Baby Control switches off with two short audible signals. If you do not press the ON/OFF button again within 5 seconds, the monitor stays on and returns to normal operation.

IMPORTANT: The display of the Baby Control may show values 1 –9 even if there is no movement or the sensor pads are disconnected. This is not an error, the device is only adjusting to surrounding conditions.

INFORMATION: When switched off, the device does not consume any electricity, so it is not necessary to remove batteries when used daily. If the device is not going to be used for a long period of time, take the alkaline AA batteries out of the battery compartment (5).

Operation of the Baby Control breathing monitor

The numerical display (2) will show the intensity of breathing movements detected by the Baby Control approximately every 2.5 seconds (9 - the most intensive, 1 - the least intensive, 0 - no movement detected). At the same time the green indicator light (6) will flash if the intensity of detected movement reaches or exceeds the pre-set threshold value. It is therefore possible to check even from a distance whether the device has detected a movement that is intensive enough.

An audible warning signal will sound from the speaker (3) and the red indicator light (4) start to flash when the measured value does not reach the pre-set threshold level four times in succession (12 seconds). Then the alarm is activated. If the measured value is very low or equal to zero, it is likely that the mattress placed on the sensor pad is extremely thick or the baby is lying close to the edge of the sensor pad (8). Please change this to avoid false alarms.

IMPORTANT: For the Baby Control breathing monitor operation it is very important to adjust the threshold level of detection, i.e. the value between 1 and 9 to be attained by the breathing movement of the baby. Typically, the value 3 is used (factory setting). You may change the setting in certain situations (see “Adjusting the detection sensitivity threshold”).

Conditions for the Baby Control breathing monitor to Alarm

1. The breathing movements detected on the sensor pad (8) are four times in succession lower (12 seconds) than the pre-set detection threshold level.

2. The red indicator light (4) starts flashing and simultaneously four warning audible signals sound from the speaker (3). (If the detection of breathing movements is restored during this phase, the Baby Control continues its normal operation.)

3. The alarm is triggered! The display (2) shows the letters “H”–“E”–“L”–“P”.

4. The alarm sounds until you press the ON/OFF button (1). Then the device switches off.

5. The alarm occurs even when the signal from any of sensor pads (8) is received again.

6. In the case of any alarm you must check whether it was false or not (false alarms can be caused by the mattress being too thick or the baby moving outside the sensor pad’s detection area).

INFORMATION: Consult your baby’s doctor as to how to deal with such situation. Take part in training where advice is given together with practical exercises. This is the only way to acquire the skills that are essential when restoration of breathing is needed.

Testing the Baby Control breathing monitor

IMPORTANT: In the case of a true alarm, check immediately whether the airways are not obstructed by any foreign body or vomit. If so, try to remove the foreign body from the baby's mouth or nose and call the emergency services! If you see no foreign body in the airways, immediately start with the restoration of breathing based on knowledge gained on a training course. If you have not attended any such training, call a suitably qualified person who is able to perform first aid to restore breathing. Do not panic in danger. It is very important to keep cool, because any hasty action may lead to irrevocable damage! One must be psychologically prepared for an occurrence of such an event and know exactly what to do.

Low battery voltage of Baby Control breathing monitor

After the Baby Control is switched on by the ON/OFF button (1) the letter "E" will constantly flash on the display accompanied by an acoustic signal. This means that the battery voltage is low. Any voltage drop to 2.7V (1.35V per one battery) may endanger the reliable operation of Baby Control breathing monitor. In such case do not use the device. The Baby Control cannot be switched off until batteries are replaced. Always keep a spare set of alkaline AA batteries at home in order to ensure uninterrupted operation. The battery life is about 2-3 months, depending on the battery type and number of hours of operation.

IMPORTANT: If there is a short acoustic signal after the device has been switched on and "E" flashes once on the display, the battery will soon be depleted. The Baby Control breathing monitor may be safely used for another 10 hours, however you should replace the batteries as soon as possible!

The battery condition is tested automatically every time the device is switched on.

To test the Baby Control baby monitor perform the following tests.

Remove the baby from the cot and allow the bed and surroundings to settle for a few minutes. Switch the device on, the pre-set threshold (default is 3) will flash on the display several times. Then every 2.5 seconds the detected value will be displayed on the display, with no movement this should be 0 or 1. Then gently touch the mattress with your fingers and observe the number on the display increasing. Then remove your hand and the numbers on the display will decrease back down to 0 or 1. Once it has reached 0 or 1, wait a further 14 seconds and you will hear an audible pre alarm signal 4 times. If no movement is detected the alarm will sound after 20 seconds.

Test your Baby Control breathing monitor at least once or twice a week.

IMPORTANT: The Baby Control breathing monitor is sensitive to even tiny mechanical vibrations coming from the surroundings and its operation may be influenced by external effects (ventilator, draught, nearby refrigerator, TV, toy of baby's elder brother or sister, dynamic walk near the cot, etc.). We recommend that you eliminate these effects as much as possible not only for the sake of the baby's undisturbed sleep, but also to avoid the malfunction of the device. If these effects cannot be completely eliminated, then perform the testing with increased caution. In case of need you may decrease the sensitivity of Baby Control breathing monitor so that the threshold level of detection is adjusted in the manner described above (see "Adjusting the detection level threshold").

IMPORTANT: The Baby Control breathing monitor is wholly independent of 230V network and operates exclusively at low voltage. An electric shock is practically impossible! The device does not generate or emit any electromagnetic or other radiation. The use of the device is perfectly safe.

IF YOU SUSPECT THERE MAY BE A FAULT, DO NOT USE THE DEVICE UNDER ANY CIRCUMSTANCES!

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