During the first year of life, infants may experience irregular breathing patterns or even stop breathing. Babysense can alert when these signs indicate a cold, high fever, or other illness. In the extreme, breathing cessation can be related to Crib Death (S.I.D.S: Sudden Infant Death Syndrome) still a number one cause of death in infants up to one year of age. The syndrome is impossible to predict and modern medicine has not yet come up with means of cure or solution, thereby "Babysense II" is limited as a safeguard. However, it is a unique safety system which has helped save infants, giving parents (or caretaker) assurance, by enabling intervention in the event of irregular breathing movement or distress, before it becomes critical. There are a number of cautionary steps which are internationally recommended for SAFE SLEEPING:

* Always lay baby to sleep on his or her back.
* Refrain from smoking near or around baby.
* Avoid over-heating of baby’s surrounding.

**Babysense is an addition to these precautions.**

"Babysense II" is a home breathing movement monitor for basically healthy infants, and is not to be relied on for use with high-risk infants requiring constant medical supervision.

### Main Features

"Babysense II" continually detects baby’s motion and breathing movements, and will set off a sound and visual alarm if movement stops for 20 seconds or if the breathing rate slows to below 10 breaths per minute. The system’s non-touch sensor pads under the mattress monitor baby’s movement without restraining him.

**IMPORTANT:** It is strongly advised that every caregiver learn how to give first aid.

### Installation

1. Place the two sensor pads on the bottom of the bed (see illustration 1), or one sensor pad (see note below on newborns). Place mattress firmly on top of sensor pads. If the mattress cannot be in contact with the sensor pads, or if the mattress is on springs, it will be necessary to place a wooden board on the bed base on which to place the sensor pads, and then the mattress on top.

2. Remove battery cover (see illustration 4), remove battery housing and insert, in accordance with the markings, 4 new and identical size AA 1.5 volt batteries, preferably alkaline. Replace battery housing and close cover. Note: Please dispose of used batteries in accordance with local waste regulations.

3. Attach cords of the two sensor pads to the double-connector of the connecting cable. Attach end of connecting cable to the outlet marked "SENSOR-IN" on the control unit. When using a single sensor pad, attach cord directly to the "SENSOR-IN" outlet without using the connecting cable.

**IMPORTANT:** To avoid possible danger from sensor cords, ensure that excess cord is secured with the included cable tie.

4. Press hanging hook firmly into slot in back of control unit (see illustration 4), and hang from the edge of the bed, or anywhere out of baby’s reach.

### Note on installation for newborns

When using for infant not yet able to crawl, use only one sensor pad - without the connecting cable. (see illustration 2). This will ensure greater relative sensitivity. Make sure that the sensor is placed underneath baby’s location in bed. When baby begins to move around, and is able to move onto areas not “covered” by the sensor pad, the second pad must be attached, using the connecting cable.
Control Unit

Sensor Pad (Under mattress)

In a bassinet and crib:
when using for infant not yet able to crawl, use only one sensor pad.

Contents
• Monitoring control unit
• Hanging hook
• 2 Sensor pads
• Connecting cable

Operation
See illustration 3 for layout of control unit featuring:
• On/Off button under protective cover.
• Breathing movement indicator light.
• Red alarm light, activated if baby's breathing stops or slows significantly.
• Low battery warning light.
When switched on, the red control lights switch on briefly and a click sound will be heard. When breathing and movement are sensed, the green light flashes.
If red low-battery warning light flashes (see illustration 3), replace all batteries as soon as possible. If in addition clicking is heard, all batteries must be replaced immediately.
Turn off by pressing On/Off button.

Technical Specifications
• Powered by 4 size AA, 1.5 volt batteries. Power consumption approx. 1mA.
• Battery life approx. 6 months using alkaline batteries.
• Alarm volume typically 85dB SPL at distance of one meter.
• Illumination typically 2 mCD.
• Size of sensor pad is 27cm X 44cm.

Warning
Babysense is a high quality, high sensitivity electronic device which must be handled with care:
• Do not handle roughly, drop or throw.
• Follow the installation instruction carefully to ensure that it is installed securely and correctly.
• Babysense is not a toy. Do not allow children of any age to play with it.
• Babysense will not work with another living being present in the same cot, crib or bed as your baby.
In the event of alarm

Act immediately according to the following:

1. Approach the bed and check that baby is breathing. Note pallor (color of skin), muscle tone and movement.
2. If baby does not seem normal, pinch baby's heel and check that there is no cause for choking, such as an object lodged in baby's throat. When breathing resumes, consult a doctor.
3. If breathing does not resume, apply first aid and seek medical assistance immediately.

Technical malfunction

In order to minimize technical problems, follow installation and operation instructions carefully.

Environmentally caused malfunction

Due to the extreme sensitivity of "Babysense II", it can be influenced by fans, wind, air conditioning, and so forth. Such environmental effects could be picked up by the sensors on a similar level to that of breathing movements, thus preventing or delaying alarm activation.

Conduct this performance test daily

- Check that when baby is in bed, the green light flashes.
- Remove baby from bed and turn off device. After turning off, wait 1 minute while the mattress shifts due to removal of the baby's weight.
- Turn device back on and avoid moving or touching the bed (without baby in bed).
- Watch for green light - blinking will indicate that environmental disturbances are being read as false movement recordings.
- Ensure that alarm goes off within 20 seconds (due to absence of breathing movements). The alarm may sound with or without preliminary ticking.
- Check that alarm can be heard in all locations throughout the home or place of care.
- Performance test must be conducted daily.

Locating and dealing with environmental disturbances

If the alarm does not sound after 20 seconds, eliminate all environmental disturbances by actions such as changing ventilation, removing mobiles, closing windows, repositioning bed and the like.

Do not put any additional baby or pet in the bed. Babysense cannot be used for two infants in one bed. Do not operate vaporizer or ventilator directly towards the bed.

It is recommended to replace sensors every two years.
<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lights on Control Unit do not</td>
<td>• Batteries are not inserted correctly or may be flat.</td>
<td>• Check batteries are inserted in the Control Unit observing the correct polarity.</td>
</tr>
<tr>
<td>illuminate when turned ON</td>
<td></td>
<td>• Control Unit requires 4 X AA 1.5V Alkaline batteries (not supplied).</td>
</tr>
<tr>
<td>Low battery voltage warning (red</td>
<td>• Batteries low.</td>
<td>• Replace all 4 batteries.</td>
</tr>
<tr>
<td>light on the Control Unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>False alarm up to 1/2 minute from</td>
<td>• Single sensor pad connected through the connecting cable.</td>
<td>• When using one sensor pad, make sure it is connected to the unit without the connecting cable. Connect one sensor pad without the connecting cable and lay the baby on the bed for 1 minute. If the alarm does not activate, the sensor pad is in order. If the alarm activates, disconnect and place the sensor pad aside.</td>
</tr>
<tr>
<td>activating</td>
<td>• Sensor pad is out of order.</td>
<td>• Connect the other sensor pad and repeat steps above.</td>
</tr>
<tr>
<td></td>
<td>• Connecting cable is out of order (When using two sensors).</td>
<td>• If two sensor pads are in order, connect the connecting cable and lay the baby on the bed for 1 minute. If the alarm activates the connecting cable is damaged.</td>
</tr>
<tr>
<td></td>
<td>• Two sensors are not connected correctly to the control unit.</td>
<td>• Do not connect any cables to the blocked socket (only to “SENSOR IN” socket).</td>
</tr>
<tr>
<td></td>
<td>• Cable is connected to monitor’s blocked socket.</td>
<td></td>
</tr>
<tr>
<td>Alarm goes off after a few hours</td>
<td>• The mattress is not touching the sensor pads.</td>
<td>• Make sure that the mattress and the sensor pads are touching.</td>
</tr>
<tr>
<td></td>
<td>• The mattress is raised (there is an object near the sensor pads).</td>
<td>• Make sure that there are no objects next to the sensor pads and that the connecting cable top is not placed near the sensor pads. (it is preferable to locate the connecting cable top outside the bed area).</td>
</tr>
<tr>
<td></td>
<td>• Using one sensor when the baby is of crawling age or using two sensor pads</td>
<td>• Connect according to instructions.</td>
</tr>
<tr>
<td></td>
<td>when the baby is young and is not crawling yet.</td>
<td>• It is important to make sure when the baby is young and is not crawling yet that the sensor is placed underneath baby’s location in bed.</td>
</tr>
<tr>
<td></td>
<td>• The mattress does not enable transfer of baby movements. (a rigid mattress,</td>
<td>• Place extra plywood under the sensor pad so that the sensor pad and the mattress will be tightly pressed together.</td>
</tr>
<tr>
<td></td>
<td>a mattress with springs or a mattress with air pockets).</td>
<td></td>
</tr>
<tr>
<td>Delayed alarms while taking the</td>
<td>• Performance test is not correct.</td>
<td>• Do not conduct performance test by taking the baby out of bed and waiting for the alarm to go off. Kindly conduct performance test according to guidance in page 3.</td>
</tr>
<tr>
<td>the baby out of the bed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The alarm does not go off within</td>
<td>• Environmental influences detected by the sensor pads, such as wind, fan, air</td>
<td>• Perform a test which will detect the source of the movement that the device detects. For example, sources of wind such as: air conditioner, an open window or a fan; movements of a baby mobile (which can vibrate even if it's not turned on) walking around the bed area or an intercom placed near the bed with intense transmission levels. Solutions: Eliminate sources of wind, remove the mobile etc. After neutralizing all environmental interruptions, perform the test again.</td>
</tr>
<tr>
<td>20 seconds when performing the</td>
<td>conditioner, mobile, vibrations.</td>
<td></td>
</tr>
<tr>
<td>correct performance test</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For all product related questions kindly contact your nearest distributor, which can be found at www.hisense.co.il