User Manual for Single-User Serial Port Sleep Monitor (Soft-Sensor Pad Standard Version)

1. product presentation

1.1. product display

- Sleep monitoring device main unit

graph 1

- Sensing pad

graph 2

2. Installation Guide

2.1. interface specification

- The serial port version features a USB interface (Figure 3).
- Interface pinout: GND, TX (device transmit), RX (device receive), VCC (5V)
- Serial port, TTL level: 3.3 V; baud rate: 38400; device requires 5 V DC power supply with ripple voltage <30 mV

graph 3

2.2. Configuration and Usage

Place the single-person serial-port sleep monitor sensing pad beneath the bedsheet or beneath the mattress (with a thickness of up to 5 cm), and position the user's chest and abdomen directly above the sensing pad.

Fig. 4, Fig. 5

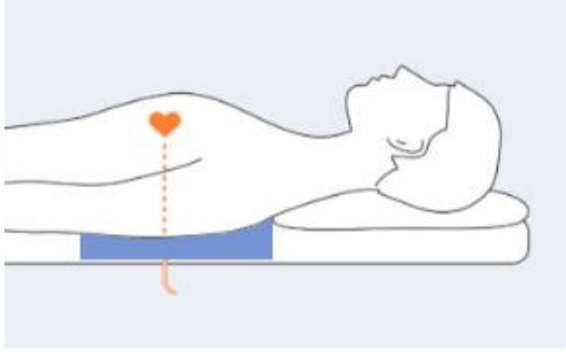

Fig. 4, Fig. 5

3. Safety Precautions

- Do not bend the product excessively, as it contains built-in sensors that could be damaged by excessive bending.
- Do not expose the product to high-temperature equipment.
- Do not throw the product into water, as this may cause internal damage to the product.
- When inserting the power adapter into the power outlet, do not touch the metal terminals of the power adapter.
- The sensing pad is suitable for flat and stable surfaces. Do not place the sensing pad on a bed with moving parts (e.g., a hammock), as this may prevent the sensing pad from functioning properly.
- Please ensure that no vibration sources are placed in close proximity to the device, so that the sensing pad can accurately detect the user's sleep patterns. Vibration from electric fans, washing machines, or loud music may lead to false readings from this product.
- This sensing pad is non-electrically charged and poses no risk of harm to the user.
- The sensing pad must not be washed.
- It will not cause any harm to the user.
- If this product is not used for an extended period, the sensing pad may be rolled up and stored; however, avoid folding or compressing the sensing pad during storage, as this may lead to damage to the product.

4. warranty card

warranty card

customer name:_____

Product model name:_____

remarks:_____

Warranty Period:_____

5. Warranty Information

1. Please keep this warranty card in safe custody as proof of repair eligibility.
2. From the date of purchase, this product shall be covered by a one-year warranty for its electronic components, and a three-month warranty for all other parts.
3. During the warranty period, if defects or malfunctions arise in the product's materials or

manufacturing processes under normal use conditions, free repair services and replacement of parts will be provided upon verification.

4. During the warranty period, if any of the following events occur, the Company may refuse to provide a warranty or, at its discretion, charge for materials or service fees.

- Damage to the product caused by improper use by the user;
- Damage caused by abnormal external forces;
- Where damage is caused by maintenance personnel who are not authorized by our company;
- Failure and damage caused by natural disasters or other force majeure events;
- Other persons intentionally caused damage;

6. statement

The Company reserves the right to amend and interpret all content.

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.