

Model

MO15

Wireless Alarm Instruction Booklet

IMPORTANT

Please read instruction booklet before use

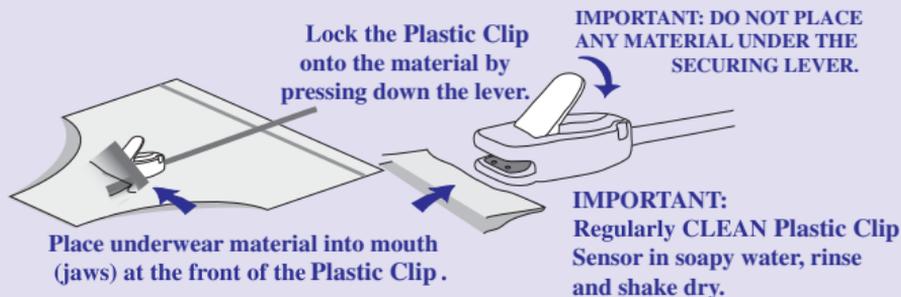
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Instructions for use

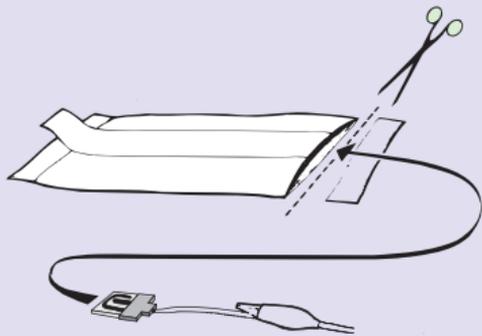
1. Switch on the receiver (Rx) unit. Green LED will flash once every two seconds.
2. Remove insulator from battery compartment (if present) of the transmitter (Tx) unit.
3. Plug the sensor of choice into the transmitter (Tx) unit.
4. If used with **Plastic Clip Sensor**:
 - i) Make sure the Plastic Clip Sensor lever is in the up position. (Lowering the lever without placing material between the front jaws will activate the transmitter and trigger the receiver buzzer). If buzzer does not sound, retune Tx & Rx as per instructions.
 - ii) Using the safety pin, attach the Tx to the pyjama top or nightdress close to the shoulder. Attach Tx to material before wearing garment if preferable. Carefully lock the safety pin. Do not use safety pin if faulty. Optional shoulder clip is available for clinics on request if safety pin use is unsuitable.
 - iii) Thread sensor lead inside top as shown in diagram above. For small children, loop and tie sensor lead to shorten length.
 - iv) Attach sensor clip to the outside of close fitting underwear, at the location most likely to get wet first, by inserting the folded underpants material inside the front jaw of the clip then lowering the lever. (Lowering the lever without any dry material in the jaws will activate the Tx, trigger the Rx alarm and prevent the Rx from being reset). Lift the lever and press the reset button. Do not reset the Rx by switching off. Always use the reset button.



5. If used with **Standard Sensor**:

a) Absorbent pad:

- i) Cut off one end of an absorbent pad and insert the sensor in between the layers.
- ii) Anchor with crocodile clip to prevent sensor from being pulled out. Uncover the backing strip and stick the pad inside a pair of close fitting pants, ensuring the sensor is located where it will come into contact with the flow of urine.



**PLEASE NOTE THAT
SENSOR & CLIP ARE
GOLD PLATED.**

b) Between two pairs of underpants:

- i) Sandwich between two pairs of cotton briefs (not boxer shorts). Anchor with crocodile clip.

c) Within Y-front fold:

- i) Place sensor plate within Y-fronts fold and anchor by locating the crocodile clip on the outside of the waistband of the pants. Avoid nylon/polyester underwear.

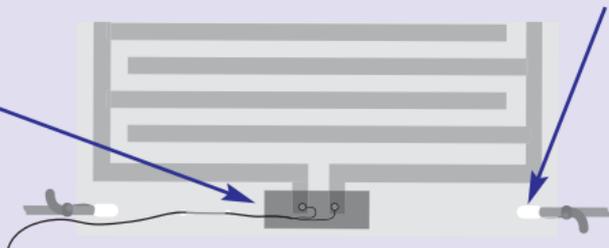
d) With pull-ups or nappies:

- i) Cut a small slit into the outside of the material and insert the sensor plate at a location close to the urine flow.

Under NO circumstances should any of the alarms be attached to the users' clothing when using a Bed-Mat.

If using a plastic protective mattress sheet place adhesive tape over the Bed-Mat lower contacts.

Holes for tying Bed-Mat to the mattress.



Use a BATH TOWEL to cover the Bed-Mat and cotton sheet. Adjust towel thickness to suit.

Hints

- The reset button will stop the alarm from sounding only if the Bed-Mat is dry or disconnected.
 - The Bed-Mat positively locks to the alarm to prevent accidental disconnection. However, it must be unlocked before attempting to reset the alarm.
 - Please use a **thicker cotton sheet or place a bath towel** above the Bed-Mat if sweating is triggering the alarm prematurely. Avoid plastic and man-made fibres as they may cause static discharge and false alarm. Reduce alarm sensitivity. (See diagram)
 - Treat the Bed-Mat with care. Avoid folding it or jumping over it.
 - Please replace the Bed-Mat with a new one if it has deteriorated and use a new one with each child.
 - Please note that sleeping directly on an uncovered Bed-Mat or touching it by hand may trigger the alarm.
 - Do not place plastic sheets directly under the Bed-Mat as condensation may trigger the alarm.
7. If used with **Pressure-Mat Sensor**:
- a) Activation by applied pressure: place the Pressure-Mat (PM) in the appropriate position depending on the way you wish to use it. The Pressure-Mat can be placed beside the bed or near the door so that treading on the Mat will activate the Tx. Please place a door mat over the Pressure-Mat so as not to trip over the Pressure-Mat. Plug into the Tx and place away safely.
 - b) Activation by removal of pressure: place the Pressure-Mat (PM) over the mattress but under the sheet, in a position so that the user is laying over it or place on a chair so that the user is sitting on it. Plug the Pressure-Mat wire into the 'inverter' then plug the inverter wire into the Tx and place Tx away safely. If the user gets out of bed or out of the chair, the Tx will be activated triggering the Rx sound and selected LED.
8. Once the receiver (Rx) is triggered, the appropriate red LED will be flashing. The buzzer sound can be silenced by pressing the reset button on the top of the Rx. (Do not use the on/off switch to reset the alarm as this will damage the microprocessor). The activated LED will remain flashing. If the matched Tx remains active, the Rx will sound again after 2 minutes.

8. If used with **Wet Sensor**:
 - i) Select the correct side of the Mat with shiny tracks up.
 - ii) Place under the arm and rest over chair arm.
 - iii) Plug the Mat wire into the Transmitter, tuck the wire and place Tx in a safe place.
 - iv) Test the Mat by placing a slightly wet tissue over the tracks. The Rx should sound.
 - v) Cover Mat surface with tissue paper if sweating is activating the alarm.
 - vi) Wipe Mat clean and dry before use again.

9. **Deactivating the Transmitter:**
 - a) If using the Plastic Clip sensor, lift the sensor lever and remove from underpants (wash Plastic Clip sensor frequently).
 - b) If using the Standard sensor, unclip the crocodile clip and remove the sensor, wipe sensor plate dry and clean regularly.
 - c) If using the Bed-Mat, unplug the Bed-Mat from the Tx, remove the sheet, wipe clean and dry thoroughly before repositioning.
 - d) If using the Pressure/release Pressure-Mat, unplug from the Tx and reposition the user on the Mat.

10. if using the Wet Sensor , unplug from the Tx , clean and dry the Mat then, reposition.

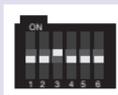
11. Press and hold the reset button for 2 seconds to switch off the activated LED/s (make sure matched Tx is not active).

12. The matched Tx/Rx will not trigger the Rx if the Tx is activated within 2 minutes of previous activation.

13. For easy identification, an adhesive label can be used on the front of the Rx where you can write the room number or occupant name for each of the seven LEDs.

Channel Selection see diagram on page13

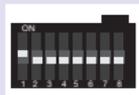
The Multi Functions Wireless Alarm consists of a receiver which can be paired with up to seven (7) transmitters. To avoid interference from the 7 transmitters or other wireless equipment, you need to select different channel settings for each of the transmitters. A choice of 64 settings is possible and should be reselected in case of interference.



To change the channel setting, remove the back of the transmitter by using a slotted screwdriver. Lower to open. Change the setting of the code selection switch (the one on the left) by moving any of the switches in any of the 64 combinations.

Receiver LED Number Selection see diagram on page 13

To match a Tx with a specific Rx LED number, remove the battery cover of the Tx using a slotted screwdriver. The LED selection switch is the one on the right. Select the LED number by sliding the matching number (between 1 – 7) of the sliding switch to ON. **Re-tune Tx and Rx.**



Re-tuning the Rx and Tx see diagram on page13 &15

All additional transmitters will need to be re-tuned with the Rx.

- i) Select the desired Rx LED number first (see above).
- ii) Push and release the straight end of a paper clip into the small LEFT hole at the back of the receiver. All the 7 LED's will glow.
- iii) Immediately and while the LED's are glowing, activate the Tx you wish to tune/re-tune by lowering the Plastic Clip sensor lever or wetting the standard sensor or Bed-Mat or applying pressure on the Pressure-Mat or wetting the Wet Sensor.
- iv) The LED's will switch off apart from the selected one which will glow on and off. The next activation of the Tx will activate the Rx LED & the buzzer.
- v) Repeat for all other additional transmitters.
- vi) Remember to change channel if you are experience any interference from other transmitters or wireless equipment.

You can also tune several receivers to the same transmitters. This is helpful if more than one carer wants to monitor the transmitters.

Sound Selection Switch see diagram on page15

The receiver is factory set to 8 random sounds.

For single sound selection:

- i) Open the Rx battery cover using a slotted screwdriver. Insert blade into slot and twist.
- ii) Slide to 'ON' any one of the switches between 1 and 8.
- iii) Slide all other switches apart from 10 to the 'OFF' position.
- iv) Do not slide switch 10 to 'OFF' as this will silence the Rx sound.

Important

- Remove batteries from both Tx and Rx if the alarm is not going to be used for some time.
- Observe clean battery compartment contacts and correct polarity when changing batteries.
- Use long life alkaline batteries whenever possible.
- Batteries should not be accessed by children and only replaced by adults.
- Do not immerse the Tx or Rx in water.
- Regularly clean the sensor in use. See page16
- Do not leave the Tx active (LED on) as this will drain the battery. See page12
- Do not use the receiver 'ON/OFF' sliding switch as a reset button as this will damage the microprocessor. Always use the 'Reset' button.

Batteries (remove isolating tag if present)

Batteries have been provided free of charge with original purchase to enable testing during manufacture and prior to packaging. Additional batteries can be purchased. Batteries should not be accessed by children and only replaced by adults. Use long life alkaline batteries whenever possible. Do not leave Tx active when not in use as this will drain the battery. Observe correct polarity and clean contacts when replacing Tx and Rx batteries.

Tx: alkaline 23A 12V

Rx: alkaline 3 x AA

Safety pin

Pull white cover slightly to unlock, push to lock, you can replace the safety pin by removing and sliding the replacement cover to the left.

Guarantee

Under normal usage, the Multi Functions Wireless Alarm is guaranteed for a period of three months from purchase. This excludes batteries, sensors, Bed-Mat, Pressure-Mat, Wet Sensor, safety pin, flooding, misuse or accidental damage. If the alarm should malfunction during this period, please contact us before sending. Please remove the batteries and decontaminate the unit/s sensor before returning. Do not return flooded or contaminated alarms.

Repairs

If repairs are required, we will exchange for a new alarm . Please contact us by telephone, e-mail or in writing for the cost of this service. Please decontaminate the units/s before return. Do not return contaminated or flooded alarms.

Cleaning

Alarm units (Tx and Rx):

wipe clean alarm and safety pin using a damp cloth and mild detergent or skin disinfectant. **NEVER IMMERSE IN WATER**

Sensors:

Plastic Clip- lift lever, wash in warm soapy water, rinse under the tap and shake dry.

Bed-Mat - wash in warm soapy water and wipe dry.

Pressure-Mat - wipe with damp cloth and mild detergent, dry thoroughly.

Wet Sensor - wipe with damp cloth and mild detergent, dry thoroughly. National guidelines state one user per Sensor/Mat.

Fault Finding

Alarm does not sound:

- Switch on receiver Rx. Green LED should flash.
- Replace batteries with new alkaline ones (3 x AA). Observe correct polarity orientation and make sure contacts inside the battery compartment are clean and free of any deposits.
- Sound selection switch has been wrongly set or switch no.10 has been set to OFF. Reset all switches to their original position as per diagram on page15
- Remember that the Rx will not sound again within 2 minutes of being activated by the Tx. However the Rx will be activated if other Tx is activated. The 2 minute delay is to allow the triggered Tx to be reset. If the Tx is not reset, then the Rx will sound again after 2 minutes if the reset button has been pressed to silence the buzzer.
- Does the Tx LED glow when the Tx is activated by lowering the lever on the Plastic Clip sensor or wetting the standard sensor or Bed-Mat/ Wet Sensor or applying pressure on the Pressure-Mat? If it does not

glow, then replace the Tx battery (alkaline 23 A 12V). Observe correct polarity and clean contacts.

- Remove isolating tags from battery compartment in Tx and Rx. If all fails, return Tx and Rx for investigation. Contact us before doing so. Decontaminate all units before returning. See diagram on pages 12-15

Alarm does not reset:

- Clean Plastic Clip sensor by lifting lever, wash in warm soapy water, rinse under the tap and shake dry. Repeat if necessary.
- Make sure Plastic Clip sensor lever is NOT down without dry material between the front jaws.
- Clean Bed-Mat and dry thoroughly. Use thicker towel over Mat. Do not use man made sheets over the mat.
- Clean Wet Sensor and dry thoroughly. Use thicker tissue paper or material under the arm.
- Remove pressure or apply pressure to Pressure-Mat.
- Make sure underpants material is not too thin or wet.
- Replace Tx and/or Tx batteries.
- Transmitter is damaged or flooded.

Sound level is too low:

- Adjust sound level with volume control.

Specifications MO15 Transmitter (Tx)

Colour: red

Weight: 33g including battery, 25g without battery

Dimensions: length: 50mm width: 45mm depth: 21mm

Range: approximately 25m depending on nature of structure and state of the battery.

Battery cover: to remove, place a slotted screwdriver in the bottom slot and lower the handle. Battery: alkaline 23 A. Observe correct polarity when replacing and ensure no deposits are on the metal contacts.

Safety pin: pull white cover slightly to unlock, push to lock, you can replace the safety pin by removing and sliding the replacement cover to the left. Do not use faulty safety pin.

Red LED: flashes when transmitter is active. Do not leave on for extended length of time as this will drain the battery.

Frequency: 433 MHz

Model: MO15 Tx

Standards: FCC certified

Specifications MO15 Receiver (Rx)

Colour: red

Weight: 136g including batteries, 67g without batteries

Dimensions: length: 91mm width: 72mm depth: 26mm

Battery: 3 x AA alkaline. Observe correct polarity and clean contacts when replacing batteries.

ON/OFF: sliding switch on side

Volume: volume control wheel on the side. Turn up to increase and down to decrease. Reset button on the top will not reset if Tx is active. Press button and hold for 3 seconds to cancel active LED. Do not use ON/OFF button to reset the receiver.

Green LED: flashes once every 2 seconds when Rx is ready for use. Red LED 1 to 7: on when linked Tx is triggered. Up to 7 Tx's can be tuned and linked to the 7 LEDs. Once an LED is activated, even reset, it will not be triggered again for 2 minutes. The LED and buzzer will be reactivated if the linked Tx remains active. Tuning point: 2 small pin holes on the back of the Rx. The one on the left is the tuning hole. Insert the straight end of a paper clip into the hole and press slightly then release, all the red LEDs will glow. While the red LEDs are on, activate the Tx. The LEDs will go off and only the LED which has been selected on the selection switch on the Tx will flash. When the Tx is activated again, the LED will flash and the buzzer will sound.

Default hole: the small hole on the right on the back of the Rx is the default hole. Insert the straightened end of a paper clip and press gently then release. This will erase all the tuned memory. Re-tuning to the Tx/s will be required.

Model: MO15 (Rx)

Standard: FCC Certified

Sensors

Plastic Clip: Length 79 cm. Keep lever up when not in use. Clean sensor regularly.

Standard: Length 79 cm. Keep clean and wipe dry. The sensor plate and crocodile clip MUST NOT be in direct contact with the skin.

Bed-Mat: 54 X 42 cm. Wire length 2.2 m. Keep clean and wipe dry. Always cover with cotton sheet as well as a bath towel. Under no circumstances should the transmitter (Tx) be attached to user's clothing when used with a Bed-Mat.

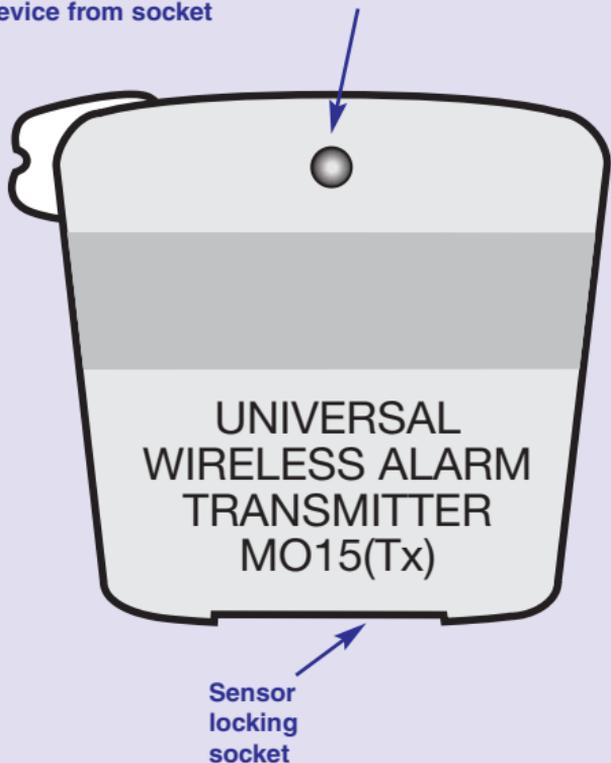
Pressure-Mat: 75 X 40 cm. Wire 150 cm. Use pressure on or pressure off (for pressure off use with 'inverter').

Wet Sensor : 22 X 17 cm. Wire 100 cm. Keep clean and wipe dry.

Multi Functions Wireless Alarm Transmitter

MODEL MO15 (Tx)

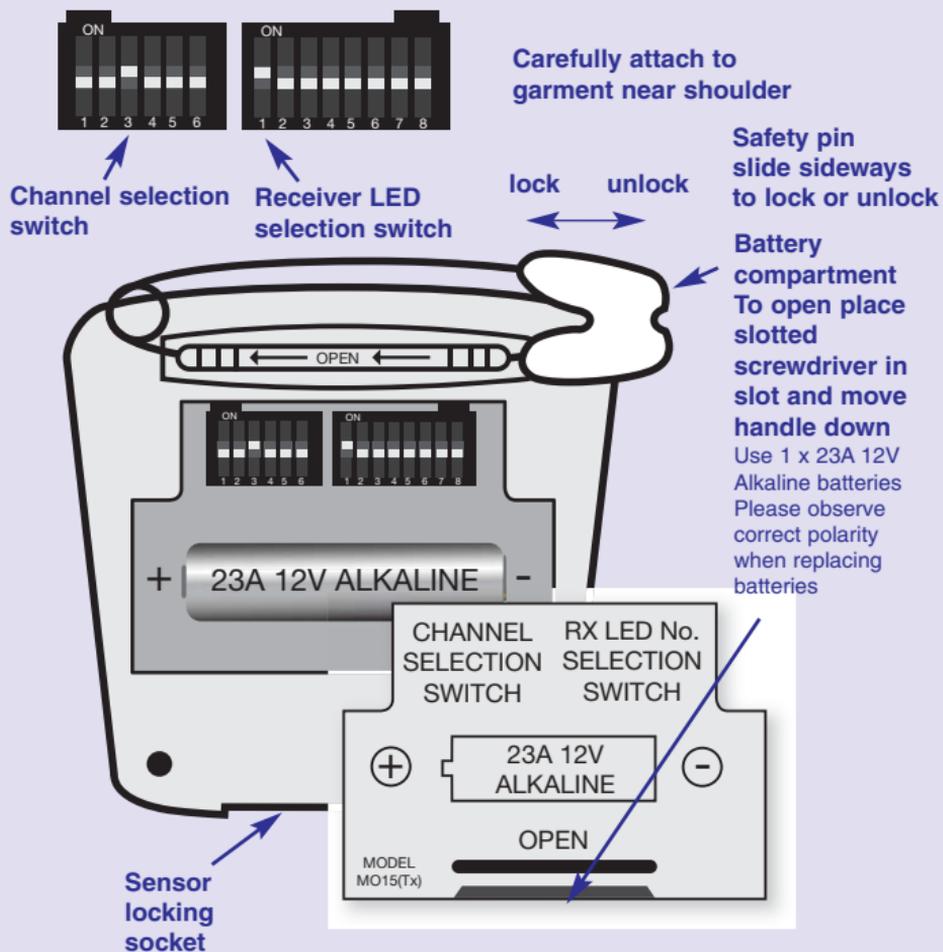
Red LED flashes when Tx is active. Please do not leave on as this will drain the battery. Make sure Plastic Clip sensor lever is up when not in use or unplug device from socket



Use Alkaline batteries ONLY

Multi Functions Wireless Alarm Transmitter

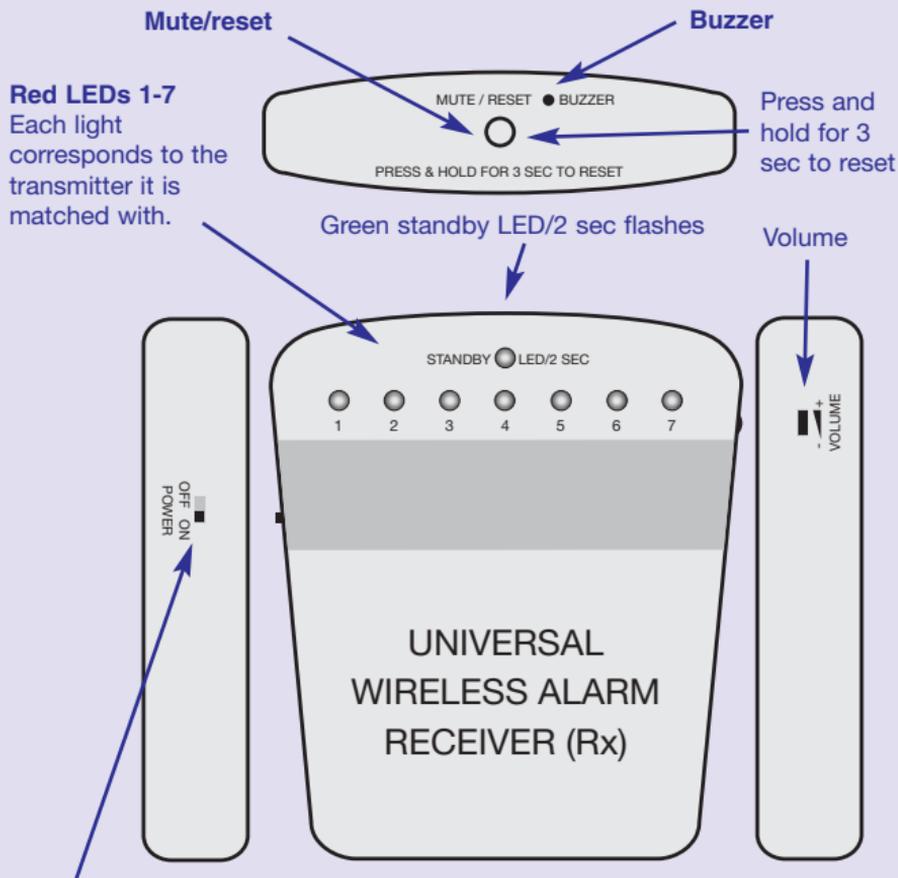
MODEL MO15 (Tx)



Use Alkaline batteries ONLY

Multi Functions Wireless Alarm Transmitter

MODEL MO15 (Rx)



Power off - on
Please do not use on/off switch to reset alarm.
This will damage the microprocessor.

Use Alkaline batteries ONLY

Multi Functions Wireless Alarm Transmitter

MODEL MO15 (Rx)



Tx Rx Pairing.

Use end of paper clip. Pass into hole, press and release, all red LEDs on, activate required Tx while red LEDs are on, one of the LEDs will flash the same number as the switch number selected on Tx.

Sound selection switch

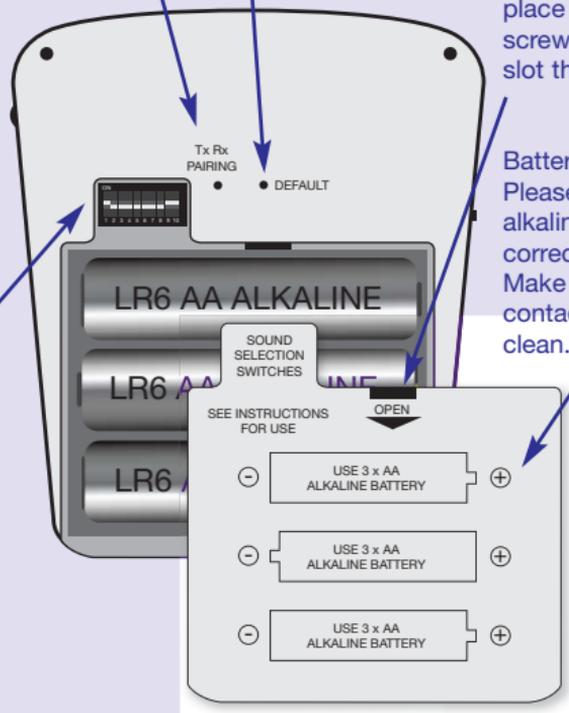
Switch 1 - 8 will select sounds 1 - 8. Switch 9 must be off for single sound. For 8 sounds switch 1 as well as 9 and 10 must be on. Sounds will be off if switch 10 is in the off position.

Tx Rx Pairing

Default. Use paper clip end to pass into hole. Press and hold for 3 seconds. All pairing with Tx will be lost. Reset will erase all pairing memory.

To open battery compartment place slotted screwdriver in the slot then twist.

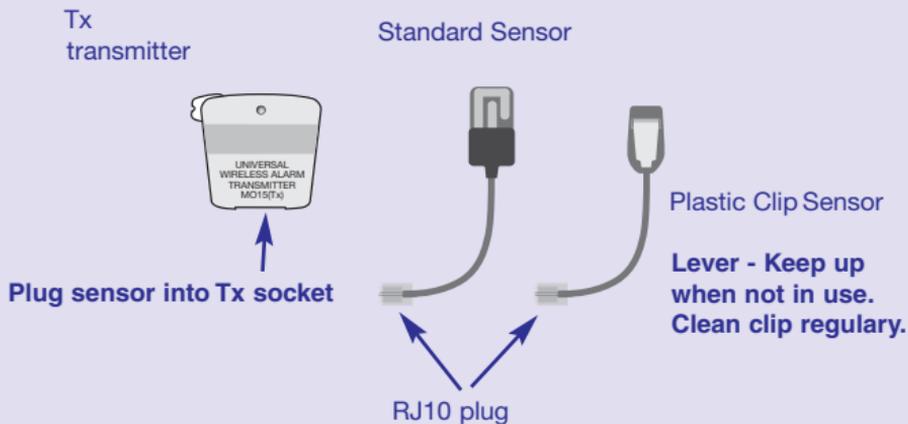
Batteries: 3 x AA
Please use alkaline. Observe correct polarity. Make sure metal contacts are clean.



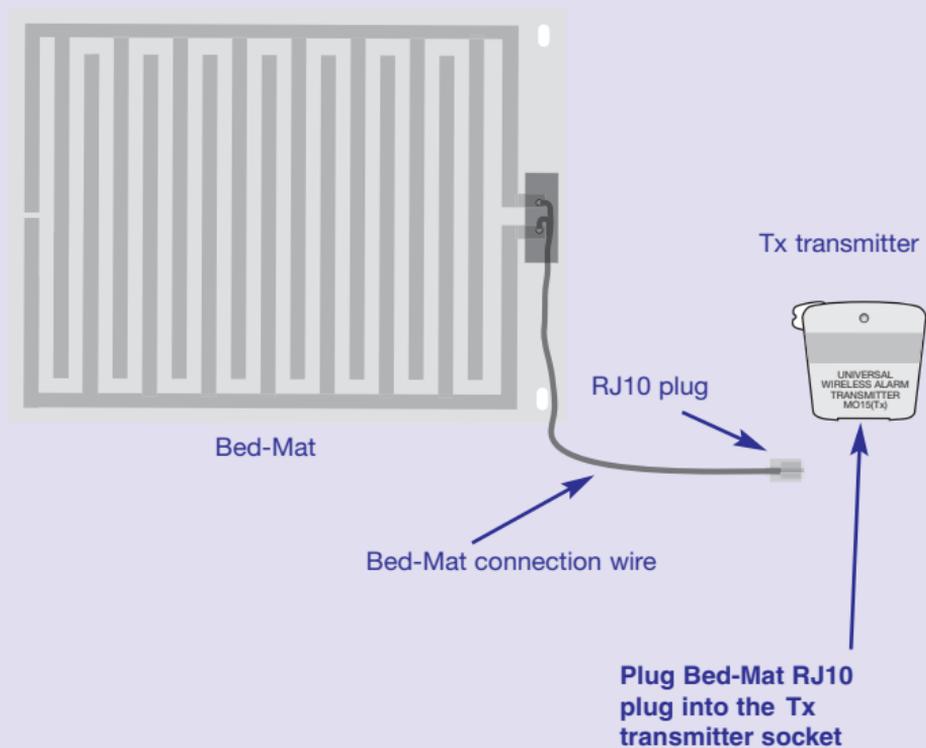
Use Alkaline batteries ONLY

Activation of the Tx using different sensors

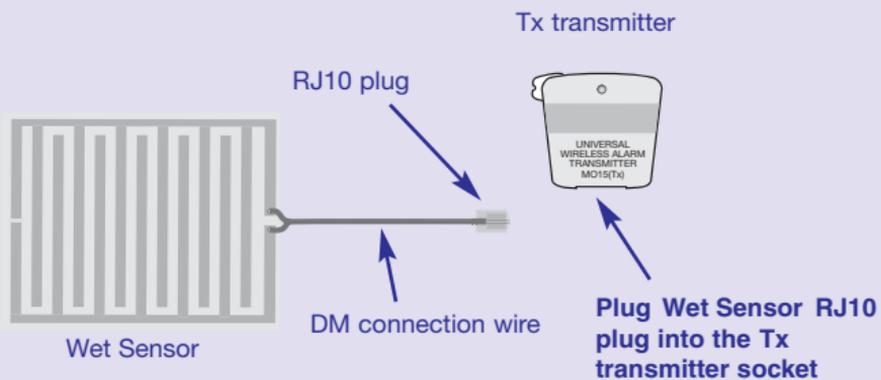
1. Activation by Plastic Clip Sensor or Standard Sensor



2. Activation using a Bed-Mat

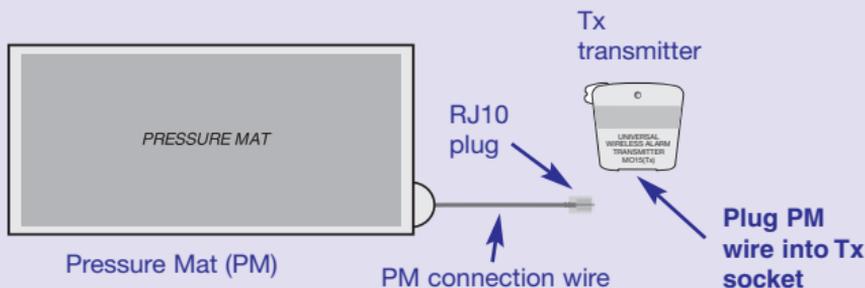


3. Activation using a Wet Sensor



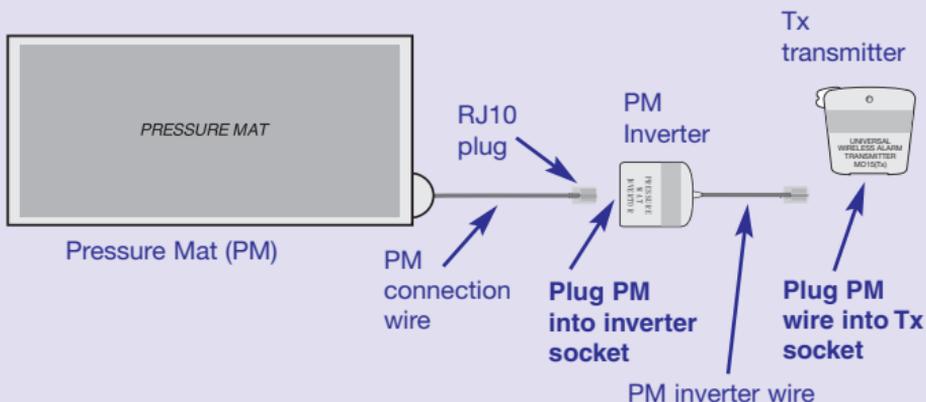
Pressure-Mat with inverter

4. Activation by applying pressure:



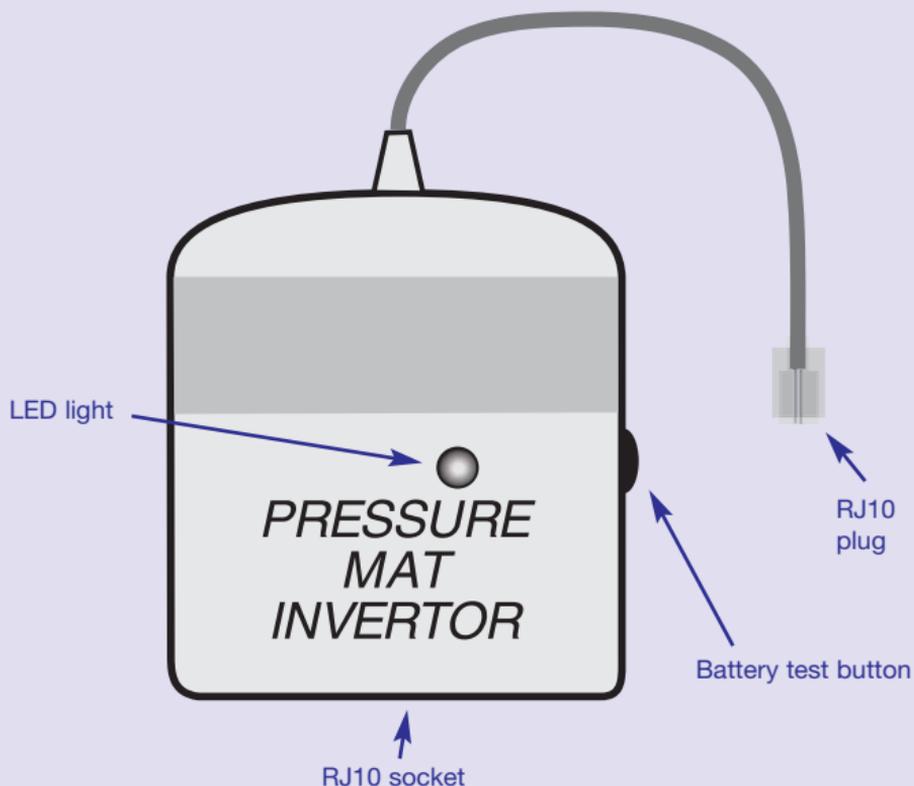
5. Activation by removing pressure:

(when user is lying in bed or sitting over PM in a chair)



Please note that pressure must be applied BEFORE attempting to set up the connection.

Pressure Mat Invertor front



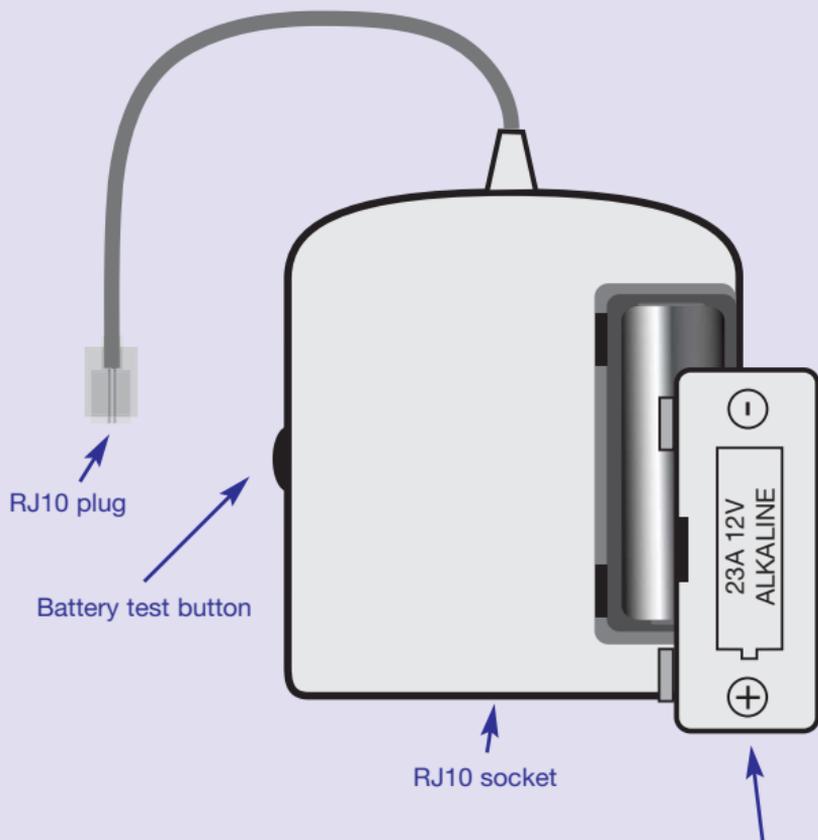
Please plug in the inverter wire between the Pressure-Mat and the transmitter.
Battery test: press the button, LED will glow. If LED does not glow then change the battery.

The inverter should be used **ONLY** if you wish to use the pressure mat to detect removal of pressure.

Please do not immerse inverter or Mat in water.

Use Alkaline batteries ONLY

Pressure Mat Invertor back



Please observe correct polarity. Contacts clean and battery not loose inside compartment. Pull metal contact to make good connection. Use only 23A 12V Alkaline battery.

Use Alkaline batteries ONLY

FCC ID: U9FMO15
MADE IN CHINA

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.

NOTE:

Changes or Modifications not expressly approved by the party responsible could void the user's authority to operate this device.

NOTE: 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.