

MEDPAGE EPILEPTIC BED SEIZURE MONITOR INSTRUCTION MANUAL FOR MODEL MP1

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The MEDPAGE MP1, is a movement and sound monitor that can detect movements resulting from an epileptic seizure from the bed where a person sleeps. When used in accordance with this manual the monitor will detect a high percentage of epileptic seizures. The monitor is for the detection of Tonic/Clonic (Grand Mal) seizures and will only detect the seizure if there are muscular spasms (movements) during the seizure. The monitor is equipped with sensitivity controls for the bed sensor and the built in microphone. An adjustable delay control can be used to help minimise false alarms resulting from normal movements during sleep.

The environment must be controlled to eliminate the immediate danger posed by hard surfaces and sharp edges as a result of sudden movement during an epileptic seizure. Where there is an additional risk of immediate danger as a result of apnoea then this monitor should be used in conjunction with a Nany BM02 monitor available from Easylink.

First unpack the parts. You will have:

1 x MEDPAGE SEIZURE MONITOR CONSOLE WITH VOLT FREE CLOSING CONTACT SWITCH WIRE VIA RELAY CONFIGURED FOR NORMALLY OPEN CLOSING ON ALARM CONTACT 1 X MANUAL. Damaged units should not be used.

MAKING THE CONNECTION TO YOUR NURSE CALL TRIGGER INPUT OR OTHER DEVICE.

The switch wire is terminated with a quarter inch 6mm mono jack plug. If your nurse call point is configured for normally open input, insert the jack plug into the jack socket. If it is configured for normally closed opening on alarm, call the help line for further instruction. If your nurse call does not have a jack socket and uses terminal block type connection, cut off the switch wire jack plug then connect the switch wires into the nurse call terminals. When the connection to the nurse call is complete proceed to setting up the monitor console.

Setting up the monitor console.

First, position the seizure monitor console on a bedside table or in a safe position where it is not likely to be accidentally damaged. Position the sensor box between the base of the bed and the mattress in a central position. Turn bed sensor, microphone and delay controls to "min" (fully anticlockwise). Plug the mains adapter into a mains socket and switch the monitor on by pushing in the power switch. The power LED will glow to indicate power is on. To switch the unit off, push in and release the switch.

SENSITIVITY ADJUSTMENT OF THE BED SENSOR Turn the bed sensor control knob to a 12 O'clock position. Check that the microphone and delay control are turned off (fully anticlockwise). Tap the middle of the bed with the palm of your hand whilst observing the detect LED. If the detect level is high enough, the detect LED will light. If it does not turn the bed sensor knob to a 3 O'clock position. For most beds, the 12 o'clock position should be adequate. Continue to tap the bed for at least 8 seconds with quick tapping actions. You will hear the control relay cut in then your nurse call point will be triggered. This procedure must be followed each time the monitor is being used to ensure correct operation.

SENSITIVITY ADJUSTMENT OF THE CONSOLE MICROPHONE. It is advisable only to use the built in microphone if prolonged regular groans or verbal sounds are made during a seizure, otherwise, leave the sensor knob turned to min. Short duration sounds will not activate the alarm. Adjust the control so that each time you make a loud groan sound (like clearing your throat) the detect LED lights. Like the bed sensor, the alarm will only be triggered after approximately 5 seconds of detected sounds. This is a default delay setting, even when the delay is set to minimum.

USING THE DELAY CONTROL If seizures are mild in terms of jerking movements, or detecting a seizure early on is critical, minimum or no delay at all should be used. A restless sleeper however, may cause the alarm to operate when little or no delay is used. To test the delay interval, start with no delay (set to min) tap the bed until the receiver responds. Slightly rotate the delay control towards a 9 O'clock position, wait for 30 seconds (this is to allow the delay to discharge) then, tap the bed until the receiver responds. Repeat this process until you are happy with the delay setting. Note: If using the built in microphone, the delay also affects the response time of the microphone. IF THE NURSE CALL POINT FAILS TO RESPOND TURN THE DELAY TO MINIMUM AND RETEST BY TAPPING THE BED AGAIN. IF THERE IS STILL NO RESPONSE, USE A CONTINUITY TESTER TO TEST CLOSING OPERATION OF THE SWITCH WIRES. IF THERE IS NO CLOSING ACTION OF THE SWITCH WIRES, CALL THE HELP LINE FOR FURTHER ADVICE. DO NOT USE MORE THAN A QUARTER TURN OF DELAY UNLESS IT IS KNOWN SEIZURE MOVEMENTS ARE PROLONGED AND VIOLENT.

The sensor and console case can be disinfected by wiping with a cloth permeated with normal dilutions of disinfectant.

If you experience unusual changes in performance contact the help-line number for further instruction.

GENERAL SPECIFICATION

CONSOLE POWER 9 - 12 VOLT DC.

HELP LINE TELEPHONE 01536 264 869

