ELMOTECH LTD.
ELECTRONIC MONITORING TECHNOLOGIES

PW-830 Bracelet Transceiver
Operational Description

The VVST is an AMS / EMS network transmitter that is hidden in an analog wristwatch, and is aimed for the Home free users.

The VVST contains a few more sensors like "Body" sensor, "Strap open/close" sensor, temperature and battery level sensors and tilt.

Includes 433.92 MHz and 318 MHz version.

The Personal Watcher™ (Watch Style) is a uniquely designed wristwatch and wander-monitoring device. Lightweight and water-resistant, it is worn by the monitored individual **(Alzheimer patients that can wander off and risk there own life in the process)** at all times. The Wireless Monitoring Unit (WMU) network picks up its silent, continuously active signal, alerting staff members whenever a monitored individual enters or exits a restricted zone, approaches a monitored door or exit, or removes the device. The Personal WatcherTM is not for use outside of the monitored area.

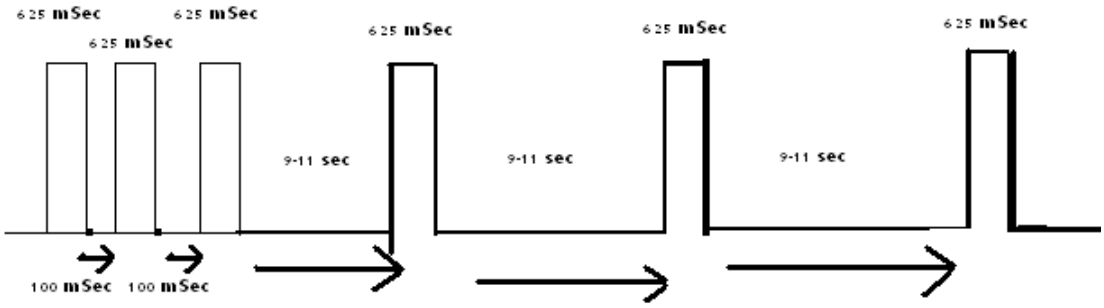
The Personal WatcherTM (PW) continuously sends a signal to the wireless network, indicating a resident's current location and status. The PW has multiple sensing capabilities, including strap tamper/open, body contact, and motion sensing.

When activated, manually, by pressing a button on the transmitter, the PW-830 transmits 3 signals separated by a pseudorandom interval of between 100 mSec. Burst duration is 6.25 mSec. This is a single transmission chain, and not a repeatable one.

After the activation the PW-830 transmits signals separated by a pseudorandom interval of between 9-11 seconds. Burst duration is 6.25 mSec. the Transmissions are not event triggered .

As per section 15.231(a)(4) "Intentional radiators which are employed for radio control purposes during emergencies involving fire, security, and safety of life, when activated to signal an alarm, may operate during the pendency of the alarm condition" – PW-830 is a safety of life intentional radiator, patient's life may be in danger when he leaves the nursing home (his signal disappears), or when he presses the panic alert button. Therefore the transmitter normally re-starts a signal transmission about 10 seconds after the last signal transmission (and stops after 5 milliseconds).

2 Habarzel St., P.O.Box 13236, Tel Aviv 61132, Israel • Tel: +972-3-7671800 • Fax: +972-3-7671801 • USA Customers: 1-800-313-1483
E-mail: contact@elmotech.com www.elmotech.com



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