ELMOTECH LTD.
ELECTRONIC MONITORING TECHNOLOGIES

ATT–830-2 Asset Tracking Tag
Operational Description

The Asset Tracking Tag is a small transmitter designed for installation on material assets such as computers and printers located within an area monitored by the TRaCE3 system.

The device comprises a printed circuit board (PCB) that includes a RF transceiver module with an integral antenna and a microcontroller that controls its operation.

The ATT-830-2 has one RF channel 433MHz over which it communicates with its monitoring system.

The unit is powered by an internal 3.6V Lithium battery.

The ATT–830-2 is mounted on material assets such as computers or printers through tamper mechanism.

Once installed and activated, the ATT-830-2 transmits once every hour a supervision signal, in order to indicate that the transmitter is properly functioning.
The total duration of these transmissions per hour is: 1 transmission per hour X 5 mSec (max.) = 0.005 seconds.

Any attempt to move the item, on which the ATT–830-2 installed, shall generate a transmission of a "motion" event, which is used for tracking the movement path of the protected item. In this mode the device transmits once every 20 seconds.
In this mode the total duration of transmissions per hour is: 3 transmissions per minute X 60 minutes X 5 mSec (max.) = 0.9 sec.

Following a motion status, if, for 2 consecutive minutes, motion is not detected the device returns to its standby mode i.e. it transmits only one transmission per hour.

Additionally, any attempt to remove the ATT – 830 from the protected item shall generate a tamper alarm transmission event. In this mode device transmit once every 20 seconds.
3 transmissions per minute X 60 minutes X 5 mSec (max.) = 0.9 sec.

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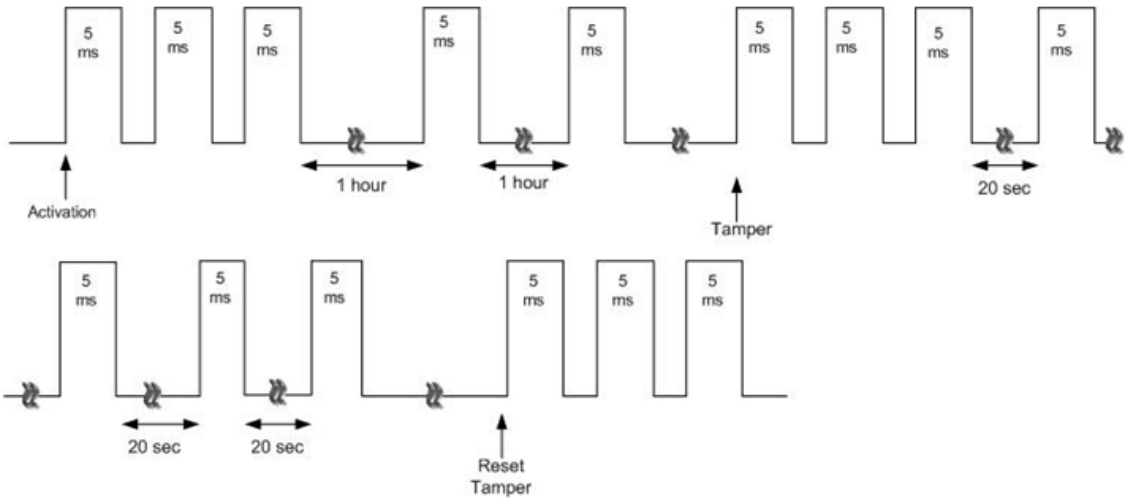
5 ms
Activation
1 hour
1 hour
Tamper
20 sec
20 sec
20 sec
Reset Tamper