ELMOTECH LTD.
ELECTRONIC MONITORING TECHNOLOGIES

ATT – 830 Asset Tracking Tag
Operational Description

The Asset Tracking Tag is a small transmitter that shall be 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 has one RF channel (318MHz, 433MHz or 868MHz) over which it communicates with its monitoring system.

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

The ATT – 830 is mounted on material assets such as computers or printers through tamper mechanism. Once installed and activated the device transmit once every hour supervision signal, including data (e.g. battery ok) in order to indicate that the transmitter is functionally. The total duration of transmissions does not exceed more than one second per hour: 60 minutes X 1 transmissions per minute X 6 mSec (max.) = 0.36 seconds

Any attempt to move the item upon which the ATT – 830 is installed on shall generate a "Motion" transmissions event and shall be used to track the movement path of the protected item. In this mode device transmit once every 20 seconds. If 2 minutes have not motion detection device return in standby mode.

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.

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