

CM2202N Transmitter

1.0 Description

The CM2202N Transmitter is a battery-powered device using 2 BR1225 3V lithium batteries in parallel. The transmitter is OOK modulated at a data rate of 4800 bits/sec by the PICF635 processor on a nominal carrier frequency of 916.5 MHz. The transmitter is frequency stabilized using a SAW. The CM2202N transmitter is programmed to transmit a data packet every 6 hours in a random interval. Test packets are transmitted when the test button is pushed. When the SENSOR signal goes high alarm packets are transmitted in rapid intervals. Each unit is programmed with a unique electronic serial number (ESN).

2.0 Operation Procedure

For test purposes, the units provided are programmed to operate as follows.

- 2.1 Install Batteries making sure the + side faces up.
- 2.2 Pressing SW1 button once will place the transmitter in the CW mode.
- 2.3 Pressing SW1 again will place the transmitter in a pulse mode.
- 2.4 Pressing SW1 a third time will turn the transmitter off.

3.0 Interface

J2-1 GND

J2-2 SENSOR input and VPP used for programming the processor

J2-3 POWER to Sensor board and PDAT programming pin

J1-4 PCLK programming pin

J1-5 VDD

Push button

4.0 Label

The FCC ID will be laser printed on the shield as indicated on the assembly drawing using 8.5 font.

5.0 Warnings

Batteries should be installed with + side up. Batteries installed backwards will not hurt the unit but the unit will not operate.