

OPERATIONAL DESCRIPTION

The radio is a low IF transceiver which integrates a VCO to generate the desired transmitting and receiving frequencies. The input frequency of the VCO comes from a 16,8MHz TCXO.

The RX product (FCC ID SGNACBOXRX02) runs continuously in receiving mode and queries the TX products (FCC ID SGNACBOXTX02) at regular intervals (each interval lasts less than 10 minutes) on the unit status (power, temperature, airflow, etc..).

The RX is also able to receive asynchronous messages from the TXs in case of triggering of any alarm on the unit.

The RX activates the output relays if any alarm arises.