

FCC ID: YQKCEIIPT210

Circuit Description

EUT is a Wetness Sensor/Transmitter (T-210) that sends alarms to the separate Wetness Alarm Receiver/Indicator (R-110).

The 315 MHz crystal oscillator drives the base of Q1 the final amplifier. The modulation provided by U1.

Antenna, Ground and Power Source

The antenna consists of a 10 cm long PCB antenna.

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3 Volt ("CR2032" size battery x 1) primary battery

Operation Descriptions

The transmitter is a Wetness sensor operating in 315 MHz band. The transmitter is powered by a 3V battery ("CR2032" size battery x 1) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form amplitude modulating signal on the 315 MHz carrier frequency.

Remarks:

By pressing the button [§15.231(a) – manually activated transmitter] the EUT will be paired with the Wetness Alarm Receiver.

This transmission always stops 3 seconds after activating.

When the EUT achieves wet detection, the transmitter will periodically (every 52 sec) [§15.231 (e) – periodic operation] send a signal (535 ms long) to the receiver unit. The transmission signal modulated by IC; and the type is amplitude modulation.