

Theory of operation:

The EUT use Bluetooth communication technology. Bluetooth communication is a wireless technology that exchange data over short distances, using short-wavelength radio waves, the EUT transmit in 2.4GHz.radio wave.

The EUT communicate with a mobile phone, the first communication is established by the mobile phone, and it sends a signal to the EUT asking for pairing, after entering the pairing code shown on the EUT into the mobile phone the EUT and mobile phone are paired. Once paired the EUT receives data from the mobile phone such as irrigation program schedule and operation time, data is sent after any change in programing. The EUT sends to the mobile phone data regarding Irrigation status every 3 sec. In a standby mode the EUT sands every 3 sec a signal looking for his paired mobile phone. The EUT has a chip onboard antenna.