

## Users Manual for CS458TR-1

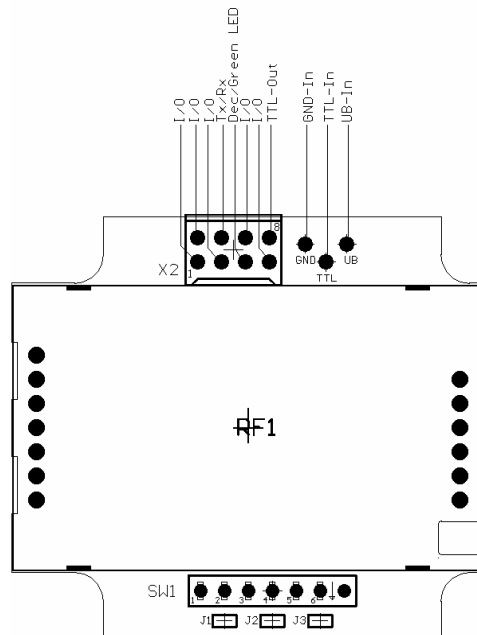
FCC ID: LW9-CS458TR-1

Canada: 2119B-CS458TR1

**Note: No user modifications to the device are allowed.**

The CS458TR-1 is a transceiver RF module. The module is using FSK narrow band modulation. This module can work with serial data of 2400 to 9600 baud. The internal voltage regulator supports voltages of 3.4-12VDC with a current consumption of less than 50mA.

The CS458TR-1 has a cable with a connector that has Power (VCC) and Ground (GND) to power the module and a TTL signal coming in. The connector X2 has the following pins; Tx/Rx which determines if the module will function as a transmitter or a receiver; Decrement switch (for selecting frequencies when used as a transmitter)/ Green LED (when used as a receiver, this determines if the module has locked into a frequency and is receiving a signal from a compatible transmitter); and TTL-Out when used as a receiver; there are Input & Output (I/O) ports available for possible use in the future. The antenna connector should be connected to a 50-Ohm Impedance antenna designed for the frequency in use.



Connector Layout for CS458TR-1

The actual labeled and assembled unit will look similar to the one pictured below:



Assembled CS458TR-1