

## C-8318 (915MHz FCC) TECHNICAL DESCRIPTION

### A. CIRCUIT OPERATION

1. The equipment is 912-918MHz band FSK wireless temperature station every 5 second receive up to two 912-918MHz sensor (corresponding transmitter) and Radio controlled clock receive, the first power up full display and the micro controller setting RF IC power on after 8 second Radio controlled clock receiver power on. The LCD display CH1 is sensor 1 temperature and display CH2 sensor 2 temperature.

### B. COMPONENT DESCRIPTION

	COMPONENT	NAME	DESCRIPTION
	10MHz	crystal	Stable RF transmitter Oscillator frequency and other.
	32.768kHz	crystal	Provide reference clock 1 for MCU.
	3.58MHz	crystal	Provide reference clock 2 for MCU.
	Buzzer	Buzzer	alarm sound output
	TM8726-1	MCU 1 (micro controller unit)	Radio controlled clock receive
	TM8726-2	Master MCU 2 (micro controller unit)	Receive 915MHz wireless sensor and indoor temperature calculate master
	TM-8722	Slave MCU 3 (micro controller unit)	Provide temperature and humidity data for master micro controller unit
	CME6005	radio controlled clock reception IC	Receive 60kHz radio controlled clock signal
	CL-HQM3R	humidity sensor	Provide Humidity data for MCU
	RB103FS3435F01	temperature sensor	Provide temperature data for MCU
	LL4148	diode	Production test and humidity choice
	LCD	LED	Display in/out door temperature and clock .
	RF 227	RF IC	Receive outdoor 915MHz transmitter temperature
	S-1206B25-M3T1G	regulator	Stable 2.5 voltage for MCU operating
	Loop antenna	Loop antenna	915MHz band reception antenna
	Ferrite antenna	Ferrite antenna	This is radio control clock reception 60kHz ferrite antenna

CHUNG'S ELECTRONIC CO.,LTD	
Name	TECHNICAL DESCRIPTION
Model	C8318(FCC)915
File No	RX8318(915)
Date	1/4/09
Name	Chan Kai Hung