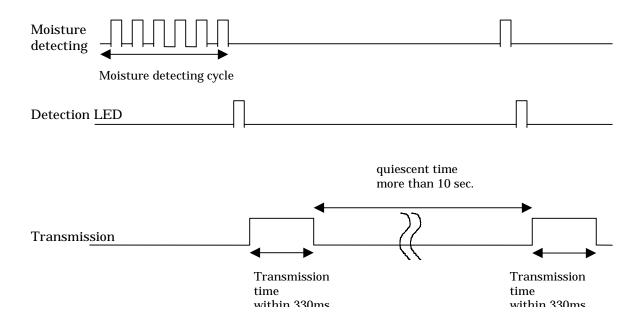
SPEC SHEET

New Wetness Sensing System RX69W1 For USA

30,

Transmitter

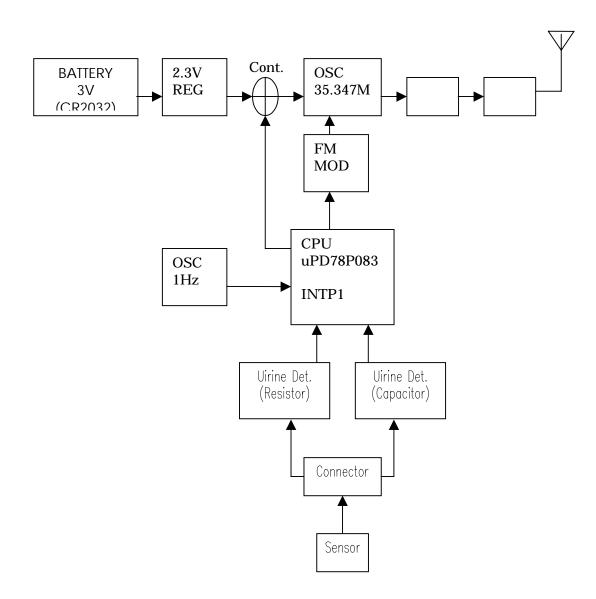
Timing charts for Transmitter



(1-2) Outline of timing chart for generation of transmitter

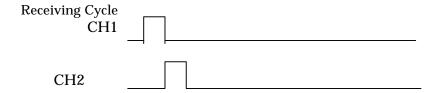
It performs the operation timing by software and hardware the interruption circuit every one second in the micro computer. Accordingly, after initializing, the micro computer becomes the STOP mode owing to saving power and then it is woken up by the hardware interruption (INTP1) at one time per one second. When waking up, it detects wet condition by the wet sensor. If the sensor detects the number of interruption continuously, it changes to the transmission mode and then transmits the signal for 330 milliseconds. Since then, it gets the STOP mode again and it counts the number of the hardware interruption at one time every one second. After it pasts more than 10 seconds, it detects wet condition by the wet sensor again. If it is detected, it transmits the signal for 330 milliseconds. It repeats the operation.

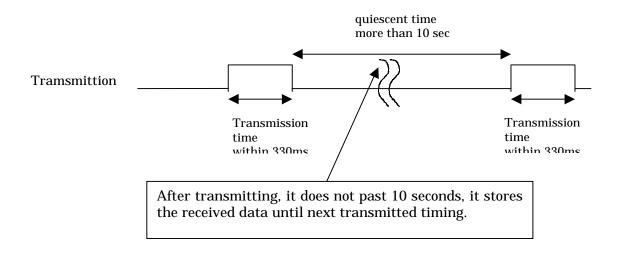
(1-3) Block diagram of generation for transmitter



Transponder

Timing charts for Transponder





(2-2) Outline of timing chart for generation of repeater

The software of micro computer controls the transmission time (330 milliseconds) by ON or OFF of supplying power the butter amplifier and PLL, and so it controls a quiescent time for 10 seconds.

Also, the data which can transmit at one time is 224 bits (including CRC 16 bits) totally and it can transmits the information of 6 transmitters at the same time.

If there are over 6 transmitters, it is transmitted the followings;

(2-3) Block diagram of generation for repeate

