

RC3 Remote control

Description of the block diagram

RC3 consists of the following blocks: RC3 IC, Battery watch (BAT watch), Display, EEPROM, Light, Light sensor, Osc 2 MHz, Osc 32768 Hz, Transmit driver and Keypad.

Block descriptions:

RC3 IC: Contains the microprocessor and various sub-blocks that together with the processor control the other functional blocks as described below:

Bat. Watch: Monitors the battery level so the user is given a warning when the battery needs to be replaced.

Display: Shows RC settings and alerts the user.

EEPROM: Parameter set-up of the RC.

Light: Display light.

Light sensor: Detects darkness so the display will be lit up when needed.

Osc 2 MHz: Microprocessor clock. Is also downscaled to obtain the transmitting frequencies.

Osc 32768 Hz: Is used for the sleep mode and to control the display.

Transmit driver: Buffer that clocks the antenna coil so it oscillates with the two transmitting frequencies, 142.857,14 Hz and 133.333,33 Hz

Keypad: User control of the RC.