

## **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.