MR360R

The MR360R laser receiver can be turned on by pressing the on button.
The LED Display will turn on.

In this case the receiver is in Narrow mode.
By pressing the on button, the high and low leds will blinking, showing that the receiver is in wide measuring mode. Pressing once more the on button, the near-high and near-low leds will blinking, showing that the receiver is in narrow measuring mode.
Pressing the on button for more than 2 secs., the receiver will turn off.
If the receiver do not receives laser for approximately 2 hours, will turn off.
If the batteries are discharged, the receiver will turn off.

The laser beam is received with a series of detectors, and amplified with 5 different amplifiers. This signals are then measured and evaluated by the processor, and the led display is set in function of these signals.

The Level measuring unit measures the level with a vial and one led and two IR receivers. The level data is transferred to the processor and the led display shows the level information.

The power supply transforms the voltage of accumulator to 5V for supplying the 5 amplifiers and processor and to 3.3V for Radio Module. The power supply also contains 3 constant current generators for the led display and an accumulator-charging unit.

Every LED change (turning on or off) will be transmitted by the radio module to the MD360R. The data transmitted contains all leds information, witch is turned on or off.

MD360R
The MD 360R contains a radio receiver/transmitter, a processor, power supply unit and led display unit.
The data received from MR360R is transmitted from Radio Module to processor, and the led display is set in function of this data.
The Power supply transforms the input voltage to 3.3Volts for processor and for the Radio Module. This power supply unit also contains a constant current generator for the led display.

The Radio Module is always in receive mode, but pressing the ON button, the MD360R will transmit data to MR360R to turn on or off the led display of MR360R, or data to turn off the MR360R.