

OPERATIONAL DESCRIPTION

The JS12UY-S is a hand held battery powered transmitter designed to remote control a cordless water pump. The user activates it by means of push buttons.

The JS12UY-S transmits a wideband FM modulated data stream with approximately $\pm 75\text{kHz}$ deviation on a nominal 433.86MHz carrier with a baud rate of 1Kbit/sec.

It uses an inbuilt printed loop antenna. Of PCB dimension 1mm track with, 30mm \times 50mm rectangle.

The data sent is produced by a microprocessor. It commands the cordless water pump to on or off.