

Description of Circuit Function

FCC ID : PS-300T

DATE : MAY31, 2001

MODEL : YPS-300M

The ultrasonic signal(40KHZ) from U1 is output by sensor via CN1 and CN3 through T1 and T2 to transistor Q5 and Q6. The signal from the sensor is reflected and returned by the object will deliver to the transistor Q3 and Q4 THROUGH C16 and C17.

The signal is deliver to the signal amplitude circuit in U3 by switching through the U2.

The amplitude signal by U3 is delivered to the IC U1 by changing only signal through C8, D2A, D2B and C7.

The signal to the U1 is composed the data according to the distance by calculating the time difference to the output signal.

will be sounded through the beeper circuit composed by R1, Q1 and BZ1.

Also, the signal is output the composed data through the composed circuit via the transistor Q2 by AM modulation.

The DC 12V through the connector CN2 will normally be 5V by U4 through the circuit composed by L2 and L3.