
ATTACHMENT J

OPERATIONAL DESCRIPTION OF HFS-RF TRANSMITTER

This is an equipment with the communication function of FSK(Frequency Shift Keying) in order to transmit the weighing value of the object.

This consists of WATCH DOG(IC3) which produces the reset signal of MPU(IC1), EEPROM(IC2) which saves the weight data, A/D Converter(IC4) which converts analog signal from the Load Cell output into digital signal, MPU(IC1) which converts the digital signal produced by A/D Converter into weighing value and set the frequency by Channel SET(JP1) and transmits the weighing data from the IC4 into RFB by using the method of FSK(Frequency Shift Keying) and vice versa.

The following is the simple description of operation for this device.

When the power is on by POWER ON SWITCH, then MPU(IC1) reads the weighing data value from the EEPROM(IC2), then this value which is output value produced by A/D Converter(IC4) that converts analog signal of Load Cell into the digital data and calculates a weighing data by this data. And MPU(IC1) calculates the frequency channel value by JP1 and this calculated frequency is set through PLL of RFB.

When the weighing data calculates, it is converted into transmitting mode then again it is converted into receiving mode after sending the weighing data