

EXPOSITORY STATEMENT/DESCRIPTION

FCC ID:AEKA00249R - TYPHOON

The relaxation oscillator receives the RF signal from its associated transmitter then detects and conditions the motor control signals and subsequently supplies these digital control signals to the motor drive circuits for controlling the movements of the receiver. The motor drive circuits consist of Q3, Q4, and Q5 for one motor - M1; IC2, Q6 and Q7 for another motor - M2; and IC3, Q8, and Q9 for the third motor - M3.

The superregenerative receiver's RF section is comprised of the superregenerator relaxation oscillator circuit, which consists Q1, and its associated passive components, and the LSI chip, IC1 . The detected digital control signals are generated within IC1 and are then delivered to their appropriate motors, M1, M2, and M3, for controlling the movements of the R/C boat.

The receiver is powered by one 9.6 VDC Ni-Cad Powerpack, supplied with the device.

No external grounding is used or required. The only tuning required is to tune the relaxation oscillator, L1, to receive the RF signal from its associated transmitter, and is performed at the manufacturing facility by qualified technicians.