

## CIRCUIT DESCRIPTION

The 5820 is operated from a single 1.5 V AAA Battery. A Dc to DC Converter (U1) produces 3.0V DC for the rest of the circuit. Messages are encoded by our standard ADEMCO Message ASIC (U2) The Message timing and Duty Cycle will be shown in EXHIBITS; 3-1 & 3-2. The transmitter section of the 5820 consists of a single chip (U3) which contains a PLL, buffer, and PA. The Frequency Determining Element is a 10.78125 Mhz. Crystal (YL1). PA output matching and antenna coupling is done by: L1, C20, and C13.