

The 5811 is an ultra slim door and window transmitter operating on 345 MHz. The 5811 sends standard Honeywell / Ademco Alarm Messages using OOK modulation; the data stream and timing are described in Exhibit 3-1 & 3-2. Operation is as follows: A door / window open event is detected by the message encoder chip U1, via its LOOP REED SWITCH. This causes a message to be sent on the DATA LINE to the DATA INPUT of the SINGLE CHIP TRANSMITTER U2. The presence of DATA wakes up U2 and the phase locked transmitter, Who's FDE is YL1 ($10.78125 \text{ MHz} \times 32 = 345 \text{ MHz}$) and sends the modulated RF to the antenna (ANT) etc. Compliance with FCC Part 15.231(a)(1,2,3) and Harmonized IC RSS 210 A1.1.1 is ensured because the message encoder chip U1's internal programming keeps track of timing and will not allow excessive non-compliant transmissions.