23 Hands Off

☐ This circuit finds the 555 timer as a watchdog ready to cry out if an inquisitive finger comes too close. The trigger input is terminated with a one megohm resistor, attached to a coin or some other small metallic object. Hand capacity is

sufficient to initiate the time for about five seconds. The output is fed not only to a warning LED, but to a unijunction type oscillator, whose tiny two-inch speaker can make itself heard throughout the room.

PARTS LIST FOR HANDS OFF C1, C3-0.1-uF ceramic capacitor, 15-WVDC C2-0.01-uF ceramic capacitor, 15-WVDC C4-1-uF electrolytic capacitor, 15-WVDC D1-Light-emitting diode, any color D2-1N4148 diode IC1-555 timer integrated circuit Q1-2N2646 field-effect transitor R1-470-ohm. 1/2-watt 10% resistor R2-1,000,000-ohm, 1/2-watt 10% resistor R3-220,000-ohm, 1/2-watt 10% resistor R4-15,000-ohm, 1/2-watt 10% resistor

SPKR—8-ohm PM type speaker **T1**—audio output transformer 500ohm primary/8-ohm secondary

