
39 Touch 'N Flip

□ Ever wonder how a touch plate, like the kind you see on some elevator buttons, work? This circuit will give you a good feel for how the touch plate works in a circuit and lets you experiment

further. The plate can be just a small piece of metal or aluminum foil. Start by sliding S2 to "set" then back to R3. Now press S1. LED's D1 and D2 will flip. Now touch the plate to flip them back.

The sensitivity of the touch plate will depend on humidity in the room and on R3 and C1. You can

experiment with those in various ways.

PARTS LIST FOR TOUCH 'N FLIP

C1—4.7- μ F 15-WVDC

D1, D2—large LED

IC1—4011 quad NAND gate

R1, R2, R3—2,000-ohm, $\frac{1}{2}$ -watt 10% resistor

S1—SPST momentary contact pushbutton switch

S2—SPDT slide switch

