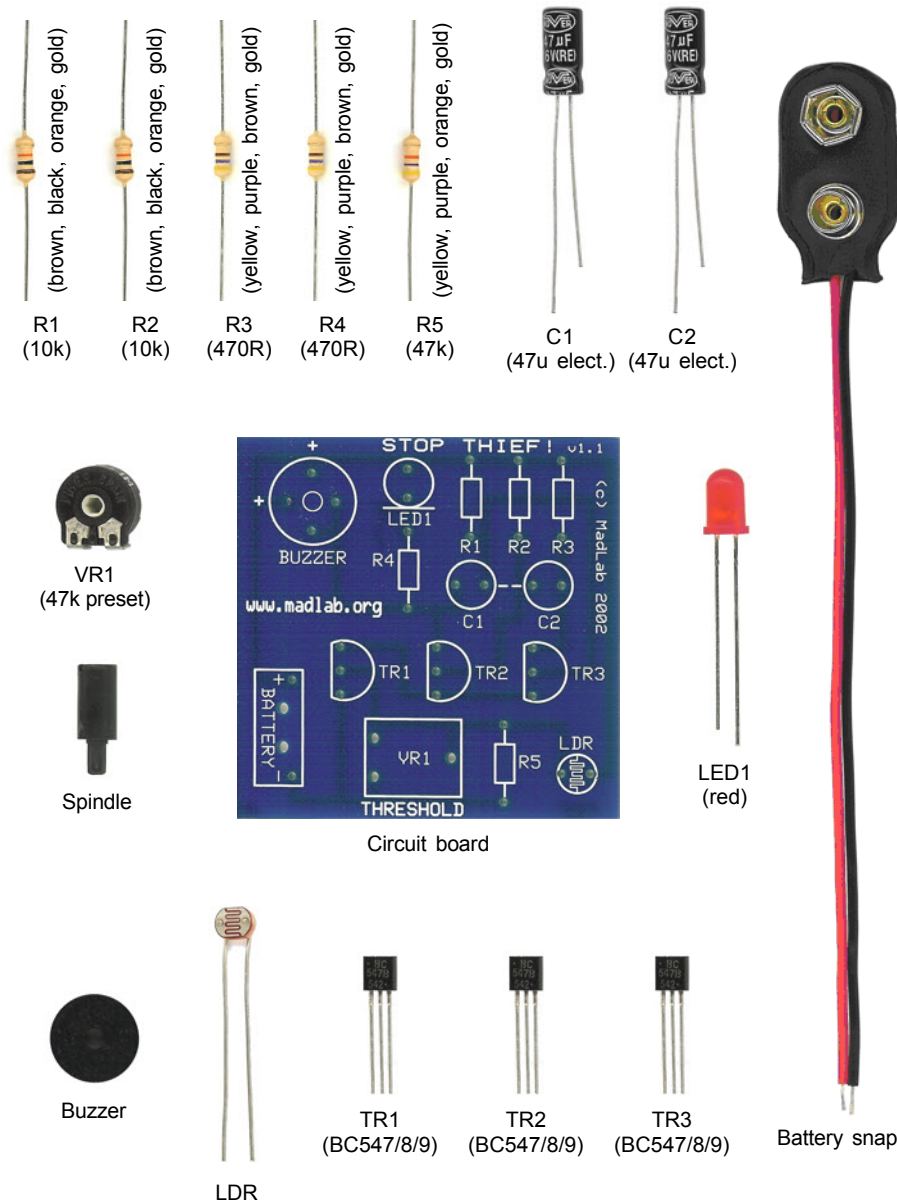


STOP THIEF!

guard your possessions with this light-activated alarm



- 1 Identify the different components using the spotter chart.
- 2 Find the resistors (R1, R2, R3, R4 and R5) telling them apart by the coloured bands around their bodies. Bend the legs into a U-shape then fit them flat onto the picture side of the circuit board. Bend the legs outwards into a V-shape to hold them in place. They can be fitted either way around.
- 3 Fit the capacitors (C1 and C2) to the board putting the shorter leg into the hole with the – sign. The shorter leg also has a stripe on the side of the body. Bend the legs outwards a little to hold them in place.
- 4 Fit the variable resistor (VR1) to the board and bend the legs a little to hold it in place.
- 5 Fit the light (LED1) to the board putting the shorter leg into the hole with the line. The shorter leg also has a flattened edge on the rim. Bend the legs away from each other.
- 6 Open the legs of the transistors (TR1, TR2 and TR3) a little and fit them to the board matching the half-circle shape of the transistor to the half-circle shape on the board. Push the transistors half way down and bend their legs.
- 7 Fit the light sensor (LDR) to the board either way around and bend its legs.
- 8 Solder the legs of all the components to the metal side of the board then clip the legs close to each solder joint. Be careful soldering the light sensor as excessive heat may melt the plastic.
- 9 Solder the buzzer (BUZZER) to the board matching the + sign on the side to the + sign on the board. (Use the pair of holes that best fit.) Clip its legs and pull off the tab from the top.
- 10 Push the battery snap leads up through the larger holes in the board from the metal side of the board. Fit the metal tip of the red lead into the BATTERY + hole, and the metal tip of the black lead into the BATTERY – hole. Solder the metal tips to the tracks on the board then pull the wire loops back.
- 11 Firmly push the spindle into the small hole in the top of VR1.
- 12 Connect a battery **(9V PP3)** to the battery snap. The red light should flash and the buzzer should beep. Covering the light sensor or placing *Stop Thief!* in the dark should silence the buzzer. You can adjust the sensitivity by turning the spindle.