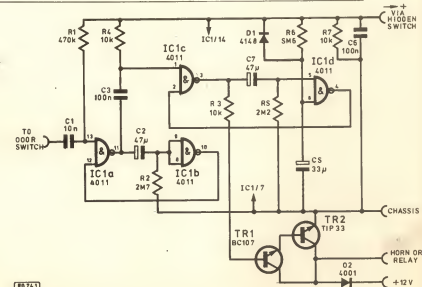


# CAR THEFT ALARM

THIS alarm consists of two monostable multivibrators built around a single i.e., a two-transistor driver stage able to drive the car's horn or a relay, and a hidden switch to turn the unit on/off.

When the car's door is opened, the door contact will close and trigger the first multivibrator. If the unit isn't turned off before a certain time determined by R2 C2, the second multivibrator will be triggered, sounding the horn (or drawing the relay) for a time determined by R5 C7. To be able to leave the car without triggering the alarm, pin 6 will be held low for a time determined by R6 C5, making the second multivibrator insensitive to triggering.

When the unit is turned off, C5 will rapidly discharge through D1 R7 to make it possible to turn the unit on again immediately. With the values shown, the



86741

alarm will sound for about 2 minutes and you'll have about 20 seconds to turn the unit off after entering the car. These times can be changed by altering the RC-networks. If the diode D2 is connected

directly across the horn (or relay) the + connection will not be necessary.

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