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PROJECT TITLE

Design and construction of an automatic refrigerator door closing system and alarm,
with an adjustable time delay.

By

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Degree in Applied Physics

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Abstract

Presented here is an automatic refrigerator door closing system and alarm with an adjustable time delay. An alarm is activated to alert people that the door is open. If no measures are taken to close the door, the circuit assumes the responsibility of closing the door itself. The trigger circuit conveniently triggers a dc motor to close the door of the refrigerator, which would have been left open for a prolonged time. A delay circuit is used to cater for the normal use of the refrigerator, such that the alarm is not activated whilst a person is getting foodstuff from the fridge.