

**CIRCUIT DESIGN HOUSE DOOR CONTROLLER INTERFACE USING
PROGRAMMABLE PERIPHERAL (PPI)-BASED 8255 PERSONAL
COMPUTER (PC)**

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Abstract:

The design of the door controller series is a tool that serves to open and close the door by automatically, without having moved by human power with the desired degrees (in multiples of 7.2). This tool is very useful especially in the Jakarta metropolitan area like this because it can minimize the occurrence of theft in the home or the usual difficulties encountered daily in the open or close the door of the house.

This tool uses a stepper motor controlled by the controlling circuit (stepper motor driver). With PPI 8255 as a controller that can be programmed, these devices can be connected to personal computers or PC so that its operation becomes very easy just by pressing one button on the menu of available options.

Bibliography: 7 (1977-1991)

