Abstract

Handling disturbances in an elevator stuck (stops not on the floor position) is generally done manually, ie by way of dismantling and evacuation to remove passengers who were stuck in the elevator. This way takes a long time and often cause panic.

This final project to design a prototype system of elevator trouble handling them automatically, where the elevator is moved into position next to the elevator that was stuck, for evacuating passengers via the emergency exit using the main components of the microcontroller. The design includes: designing the program (using the C language) that is loaded into the microcontroller and manufacture of miniature components, elevators and elevator operation facilities.

The design result after testing can function properly..

Keywords : *Embedded System, microcontroller, Elevator System, Real Time Systems.*