

ABSTRACT

Telephone is one of important media for human society. But, most of the people have not realized the advantages gained from telephone. A telephone can be controlling media with the help of another additional program.

Basic principles of the device is automatic on-off in electronic device by using detection system from a ring detector circuit which used in recognizing incoming call as a ringtone, connecting to the microcontroller to do the next step, the instruction is connected into a relay like automatic switch in disconnecting ringtone. After ringtone is disconnected, telephone will first automatically connected with dtmf to get the next instruction, and microcontroller will process the instruction according from given instruction from phone user.

The aim of this final project is to ease user in controlling electronic device in their house connected with a long line telephone.

Keyword : *AT89C51 Microcontroller, ring detector, relay, dtmf*