

System block Diagram

Inputs

Processes

Outputs

Name **specific components** that will trigger the circuit to work or detect when something happens

Name **specific components** that will respond to inputs and CONTROL outputs

Name **specific components** that will do something when provided with current

Push to Make Switch
Slide Switch
Light Dependent Resistor
Thermistor
Vibration Switch
Tilt Switch
Microswitch
Reed Switch
Key-Switch
Keypad
Microphone
Moisture Probes
Jack Plug

555 Timer IC
Operational Amplifier
Transistor (or Darlington Pair)
Thyristor (Latch)
Capacitor
Microcontroller
Logic Gates
Audio Power I.C
Relay
Field Effect Transistor (FET)

Light Emitting Diode
Buzzer
Siren
Speaker
Motor
Heater
Radio Transmitter