

WORKING

The IR sensor's operation theory, an infrared sensor, is an electronic system that emits light in order to detect an object in its surroundings. An IR sensor can sense motion as well as determine the heat of an object. Typically, all objects in the infrared spectrum emit a kind of thermal radiation. The circuit is made up of a led, an LCD, an IR sensor, and a Raspberry Pi.

The working of the project is that when the user gives data it will be registered and accordingly LED and LCD will respond and give the output.

When there are less than five people in the room, the green led light turns on. The yellow led will shine when the viewer is between 5 and 19, or when screen 1 is at 75% capacity. When screen 1 is fully occupied, a red led illuminates, signaling that no more people will access the theater. The event's start time is also shown on the LCD.