

Automatic Room light Controller with Visitor Counter - Updated

ajay_bhargav, Sun Oct 14 2012, 05:05 am

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This Project "Automatic Room Light Controller with Visitor Counter using Microcontroller" is a reliable circuit that takes over the task of controlling the room lights as well as counting number of persons/visitors in the room very accurately. When somebody enters into the room then the counter is incremented by one and the light in the room will be switched ON and when any one leaves the room then the counter is decremented by one. The light will be only switched OFF until all the persons in the room go out. The total number of persons inside the room is also displayed on the seven segment displays.

The microcontroller does the above job. It receives the signals from the sensors, and this signal is operated under the control of software which is stored in ROM. Microcontroller continuously monitor the IR Sensors, When any object pass through the 555 timer generates a pulse and interrupt controller. So visitors in the room are counted up by Sensor1 and Sensor2 counts visitors going out of room. As soon as visitor count reaches 0 the room light turns off.

We already had this project in our download section but Anudeep ([bobdxcool](#)) had made it working. Thank you so much for sharing this project back.

Here is a working video of project shared by Anudeep:

You can download this project here:

[Automatic Room light Controller with Visitor Counter](#)