

Solution Sample

A. Brief

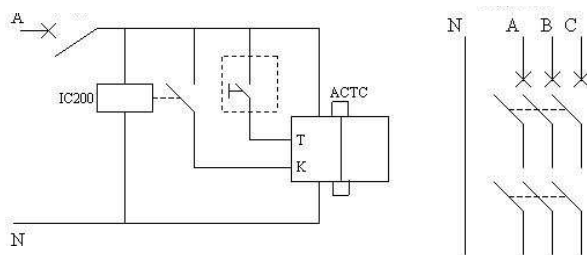
The street lamps of our school are now using time switches to control the on/off functions. The lights are turned on at 18:30 and off 06:00 every day. As the seasons and weather change, lights should be on whenever the sun sets, be it at 18:00 or even earlier.

Thus, we think that the lights should operate in response to the actual environment.

B. Solution

Electrical and control solution:

(Figure 1: "Control circuit" & "Power circuit")



Description:

Automatically detect the light intensity of the surrounding area and decide whether or not to activate the street lamps...

C. Application Prospects

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D. Conclusions

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Suggestions to your proposal:

1. Familiarize yourself with the equipment, their main functions, applications and usage.
2. Explore the areas around you where energy efficiency can be applied.
3. Design a complete electrical and control solution to a specific environment, situation or case; demonstrating good use of equipment provided.
4. Plan and prepare to put your designed solution into practice by using actual products, if needed.
5. Write the energy efficiency solution proposal according to our requirements and submit on time.