

Shop window Lighting.....

1. Requirements

A shop window display is to be automatically lit using FAB. There are 4 different groups of lights. One for lighting during the day, one for additional lighting in the evening, one for minimum lighting during the night and one for spotlights, to light particular articles.

2. FAB Solution

The shop window is to be lit from Monday to Friday from AM8:00 until PM10:00, on Saturday from 8:00 to midnight, on Sunday from midday to PM8:00, with these times light group 1 is switched on via a time switch.

In the evening additional light group 2 is switched on, if the photosensitive switch I1 responds;

Without the above working hours, light group 3 takes over minimum lighting at night;

With the working hours, light group 4 is switched on by worker;

All the light groups can be switched on for 1 minute via the test switch I3, for example to test their function or to set them up.

3. Components used

Input	Output
I1 photosensitive switch (NO contact)	Q1 Light group 1
I2 ON switch (NO contact)	Q2 Light group 2
I3 Test switch (NO contact)	Q3 Light group 3(minimum lighting)
I4 Motion detector (NO contact)	Q4 Light group 4(spotlight)

4. Advantages and Specialties

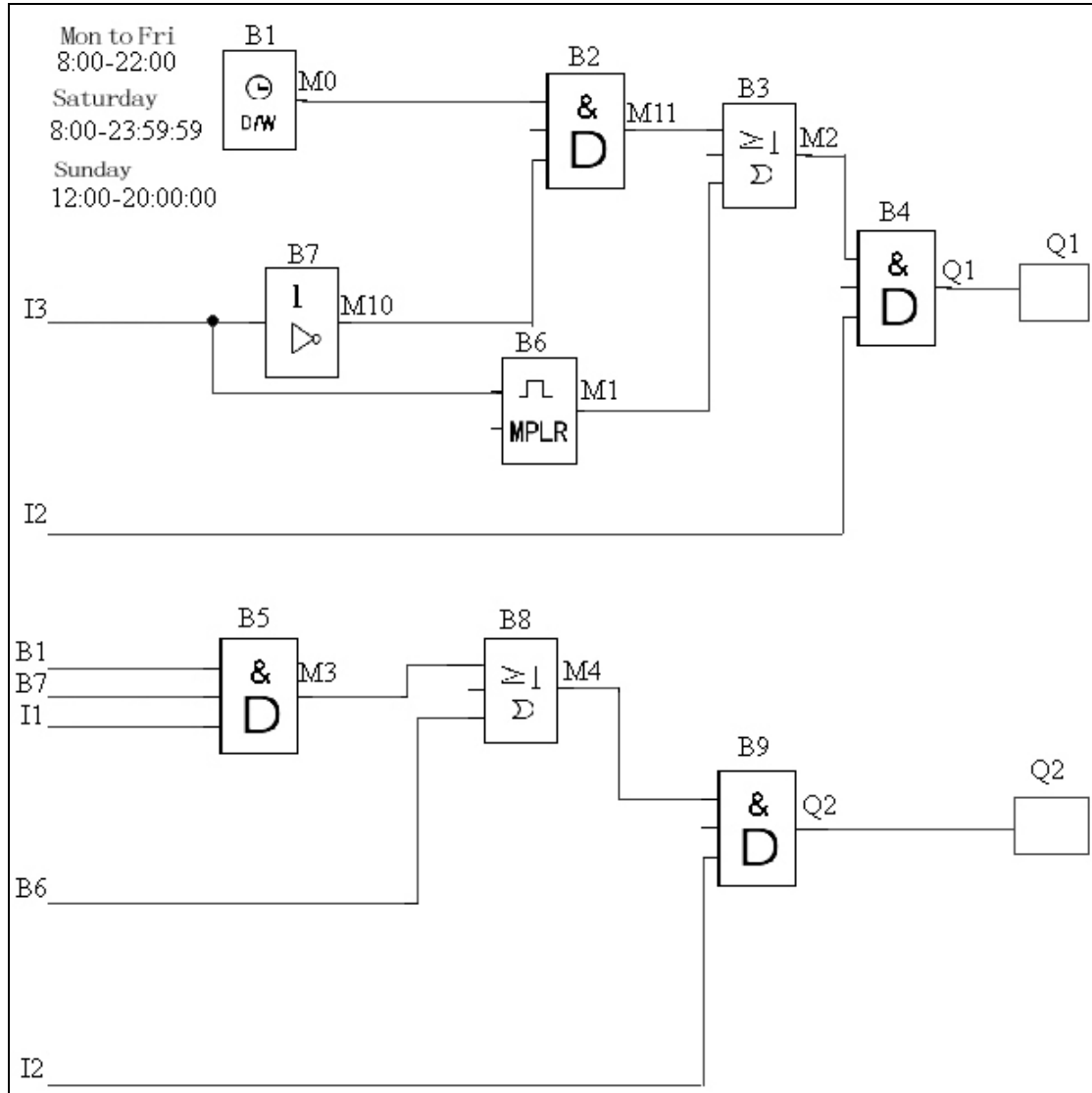
The set time ranges can be changed at any time as desired;

Other combination of light groups can easily be selected;

Fewer components are necessary than the traditional solutions.

5. Software Circuit Diagram

Part I



Part II.....

