

Shop window illumination

Task definition

The shop window illumination is controlled in three lighting groups. A motion sensor and a twilight switch also ensure that the shop window lighting is correct.

The three light groups are controlled differently:

- The first light group is controlled by a time switch function.
- The second light group is activated additionally when it is getting darker.
- The third light group is then required to switch when it is dark, when the motion sensor has been activated and the time switch is not switched on.

If a person approaches the shop window, a motion sensor will cause the neon sign to switch on for a defined period.

The main switch allows you to switch the system on and off.

The Lamp Test button is used to switch on all the lights for one minute.

Device class used

easyE4

Wiring

Inputs

I01	S1 Main switch (on/off)
I02	S2 Twilight switch
I03	S3 Motion sensor
I04	S4 Lamp test pushbutton

Output

Q01	H1 Light group 1
Q02	H2 Light group 2
Q03	H3 Light group 3
Q04	H4 Neon sign

Parameters

T01	Lighting duration for lamp test
T02	Lighting duration for neon sign
H01	Lighting times for the three light groups