

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 classes used

easy500

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