

Running light

Task

“easy” is required to switch on four lights consecutively and switch them off again.

Firstly from the first light to the fourth and then in reverse order from the fourth to the first etc. The system can be switched on and off via the main switch S1.

The selector switch S2 defines whether the running light is to be activated permanently or only at the set times (daily from 6PM to 10PM).

Three different speeds can be set for the running light:

Switch S3 > running light speed fast (0.30 sec.),

Switch S4 > running light speed medium (0.60 sec.),

Switch S3+S4 simultaneously > running light speed slow (1 sec.)

Wiring

1. Inputs:

I1	Main switch S1 (system ON/ OFF)
I2	Selector switch S2 (time switch ON/ OFF)
I3	Switch S3 (running light speed)
I4	Switch S4 (running light speed)

2. Outputs:

Q1	Light H1
Q2	Light H2
Q3	Light H3
Q4	Light H4

3. Parameters:

T1	Fast pulse speed (0.30 sec.)
T2	Medium pulse speed (0.60 sec.)
T3	Slow pulse speed (1 sec.)
C1-C4	Number of pulses
H1	Running light on times