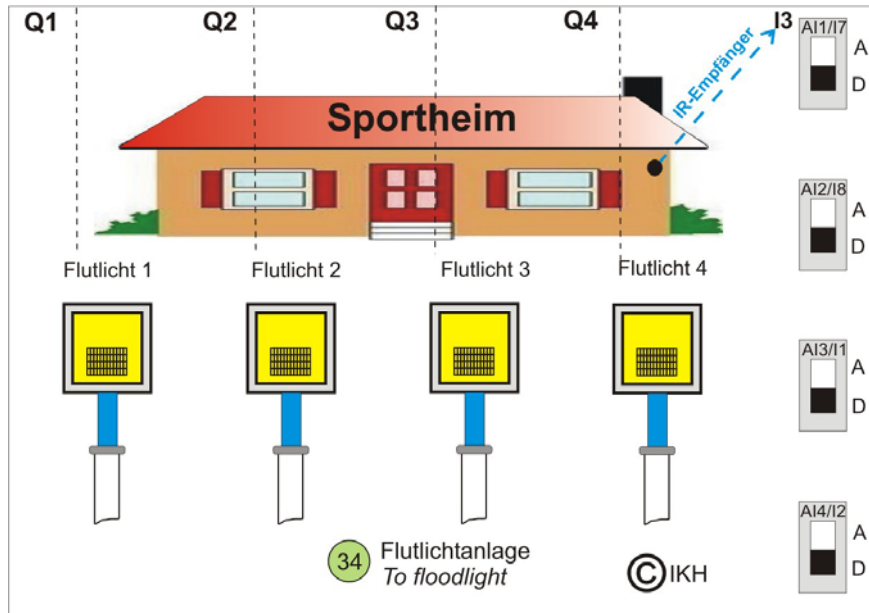


Flood light system

A flood light system in a sports ground has to be controlled by an IR remote control.

Picture 130c

Technical drawing



Operating description

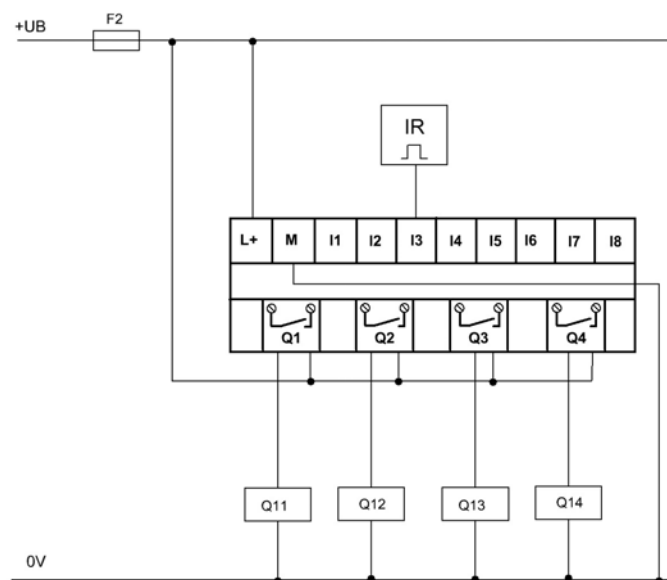
If button 1 on the IR remote control is pressed and held (approx. 1 sec), Flood light 1 is switched on. If button 1 on the IR remote control is pressed and held again (approx. 2 sec), flood light 1 is switched off. Flood lights 2, 3 and 4 function according to the same pattern, but on different frequencies.

Button lay-out on the IR remote control

Button Frequency

0	0 Hz	
1	50 Hz	Flood light 1
2	100 Hz	Flood light 2
3	200 Hz	Flood light 3
4	333 Hz	Flood light 4
5	500 Hz	
6	1000 Hz	
7	2000 Hz	
8	3333 Hz	
9	5000 Hz	
10	20 Hz	

Correlation list		
Symbol	Component	Comment
B0	I3	IR-Receiver
Q11	Q1	Power contactor Flood light 1
Q12	Q2	Power contactor Flood light 2
Q13	Q3	Power contactor Flood light 3
Q14	Q4	Power contactor Flood light 4



Connctetion to
LOGO!
Picture 139d

Exercise

- Develop program and enter program with software LOGO! Comfort 6.0 into PC and save under the filename “Flood light”
- Test program with the integrated simulator according to function block diagram (FBD) and ladder diagram (LAD)
- Transfer program into LOGO!
- Tet program

The solution is available on the enclosed CD.