

Garden pond control

Task

“easy” is required to control the fountain pump in a garden pond as well as the lighting of the fountain, pond and garden.

If the system is in Automatic mode, time switches control the different switch times for the weekdays Monday to Friday and the weekend. The fountain, pond and garden lighting is not activated until a twilight switch is triggered in addition to the time switch.

If Automatic mode is deactivated, both the fountain pump and the three lighting systems can be switched separately.

Wiring

1. Inputs:

I1	Selector switch S1	(Automatic mode ON/ OFF)
I2	Switch S2	(fountain pump ON / OFF)
I3	Switch S3	(fountain lighting ON / OFF)
I4	Switch S4	(pond lighting ON / OFF)
I5	Switch S5	(garden lighting ON / OFF)
I6	Twilight switch S6	

2. Outputs:

Q1	Fountain pump E1
Q2	Fountain lighting H1
Q3	Pond lighting H2
Q4	Garden lighting H3

3. Parameters:

H1A	Watering time Mon-Fri
H1B	Watering time Sat-Sun
H2A	Lighting time Mon-Fri (fountain)
H2B	Lighting time Sat-Sun (fountain)
H3	Lighting time Mon-Sun (fountain)
H4	Lighting time Mon-Sun (garden)