

Outdoor irrigation system with time switch

Task definition

easy is required to control the timing of the entire outdoor irrigation system for a 4-pump installation. The individual pumps can be switched individually, and also for a set period.

The irrigation system serves four pumps that can be time controlled separately by means of individual time switches. The pump operating times can be set or modified in minute intervals. During extreme droughts, pushbuttons S2 to S5 can be used to manually carry out finely graduated additional watering. All the times set here can be modified online via the easy display.

Device class used

easy500

Wiring

Inputs

I01 = S1 Main switch
 I02 = S2 Manual pump control E1
 I03 = S3 Manual pump control E2
 I04 = S4 Manual pump control E3
 I05 = S5 Manual pump control E4

Outputs

Q01 = Pump E1
 Q02 = Pump E2
 Q03 = Pump E3
 Q04 = Pump E4

Parameters

T01 = Additional watering for pump E1 (1.5 min.)
 T02 = Additional watering for pump E2 (2.5 min.)
 T03 = Additional watering for pump E3 (1.3 min.)
 T04 = Additional watering for pump E4 (1.5 min.)

Time switches

H01 = Irrigation time for pump E1
 H02 = Irrigation time for pump E2
 H03 = Irrigation time for pump E3
 H04 = Irrigation time for pump E4

Time switch H01 =	Channel A:	Mo - Su	06:00 - 06:02
	Channel B:	Su	20:00 - 20:02
Time switch H02 =	Channel A:	Mo - Su	09:00 - 09:04
Time switch H03 =	Channel A:	Mo - Su	10:00 - 10:04
	Channel B:	Su	21:00 - 21:04
Time switch H04 =	Channel A:	Mo - Su	12:00 - 12:06