

User guide for the interval control of a soaking system

Electrical connection

1. Observe and abide to the VDE guidelines and the general guidelines and regulations of the local energy supplier.
2. Connection and assembly of the system must be carried out by approved specialised staff only.
3. Abide to the general safety rules and regulations during all works at the system.
4. The supply line has to be secured accordingly. A residual-current circuit breaker or ground fault interrupter has to be installed if this has not been done before. The supply line must be secured over a residual-current circuit breaker.
5. The terminal configuration can be taken from the supplied terminal connecting plan.
6. Tighten the terminal.

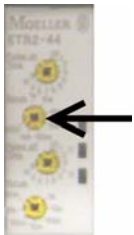
Assembly

- The switch cabinet / control box has to be placed upright and in a dry place.
- The switch cabinet / control box is splash-water-protected and has protection class IP65.
- Operation should always be possible.

Initial operation / functional description

1. Before the fuses are switched on, the lateral switch 1S3 has to be switched off.
2. Check the cable connections for correct layout and stability.
3. Switch on the lateral 1S3 switch. The solenoid valve for the soaking system is immediately switched on according to the set switching-on time, then pause-time and then again switching-on time. This process repeats itself until the lateral switch 1S3 is switched off.

Adjustment of the timer relay 1K3

ETR2-44		
	Pulse on time	Switching-on time of the soaking system Use the first adjusting knob from the top (Pulse on time) to set the exact switching-on time (e.g. 3 means 3 seconds, if the timer range for the switching-on time is set at 10 seconds)
	Range I	Timer range of switching-on time Use the second adjusting knob from the top (Range) to set the max. timer range of the switching-on time (e.g. 10 seconds)
	Pulse off time	Pause time of the soaking system Use the third adjusting knob from the top (Pulse off time) to set the exact pause time (e.g. 30 means 30 minutes, if the timer range for the pause time is set at 100 minutes)
	Range II	Timer range of pause time Use the fourth adjusting knob from the top (Range) to set the max. timer range of the pause time (e.g. 100 seconds)

Selectable timer ranges (Range) for the ETR2-44 timer relay:

Set times (Range)	Timer range
0.05 - 1.00 s	0.05 to 1 second
0.50 - 10.0 s	0.5 to 10 seconds
5.00 - 100 s	5 to 100 seconds
0.50 - 10 min	0.5 to 10 minutes
5 - 100 min	5 to 100 minutes
0.5 - 10 h	0.5 to 10 hours
5 - 100 h	5 to 100 hours