

Instruction manual - TEMPERATURE SENSOR

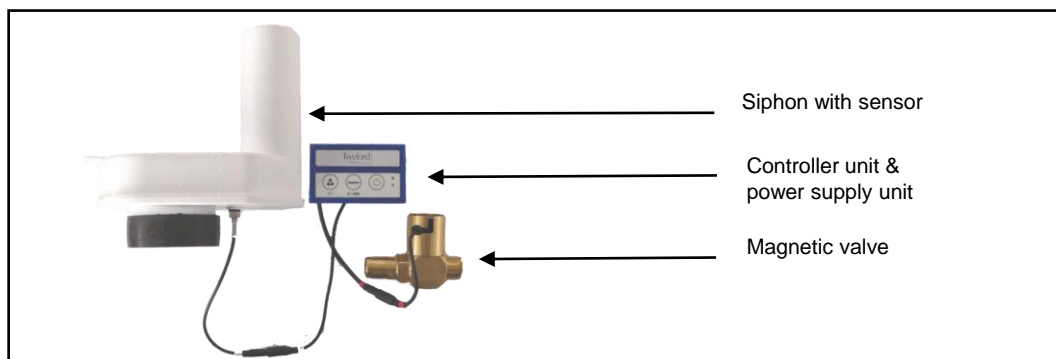
1. Product description



The TEMPERATURE-SENSOR allows an intelligent, automatic and invisible flush triggering at highest hygienic standards and economic efficiency. The system is battery operated. It is also possible to deliver a mains operated version. The system flushes automatically in case of usage of the urinal. The usage is detected as soon as a temperature change of over 0.2° C occurs within the waste. Flushing times between eight and 18 seconds can be selected. By extending the duration of the flush the water volume will be increased. Besides the normal flushing mode the system also features a stadium mode which lowers the water consumption in case of frequent usage. Furthermore a sanitation flush can be adjusted that will automatically trigger a flushing of the urinal if it hasn't been used for 24 hours.

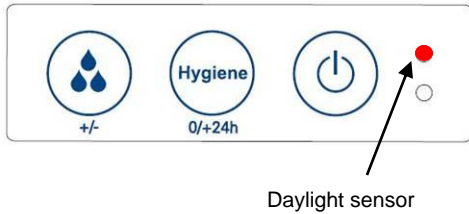
2. Mounting and commissioning

1. The controller should be mounted to the plastic bracket which is fixed to the wall.
2. Now connect the controller to the valve and the siphon. Insert the siphon into the drainage of the wall as soon as the LED of the controller flashes.
3. Press the "Start" button on the controller unit for approximately one second, the LED now flashes in another rate.
4. Now you have four minutes time to install the urinal or detect the daylight sensor.
5. One minute after you have finished the installation the system will automatically flush to fill the siphon with water. Now the urinal is ready to be used.



Please note that system only operates if the daylight sensor is covered! Settings are only possible if the daylight sensor is not covered! When the daylight sensor is covered the LED does not flash.

3. Settings



Pre-settings:	
Flush time:	8 seconds
Hygienic flush:	on

Flush time: pressing the left button will switch the system to the next flush time setting (8s / 10s / 14s / 18s / 8s / ...). The current setting is acknowledged with the LED (1 ... 4 times flashing).

Sanitary flush: each press on the center button changes the hygienic flush setting. The current setting is acknowledged with the LED (short flash = off, long flash = on).

Start: after start-up, a press on the right button initiates the calibration procedure. If the "Start" button is not pressed, the sensor works with default values and is also ready to work.

4. Checking, diagnostics, stadium mode, safety functions

Checking of functionality:

You can check the functionality of the system if you touch the sensor inside the siphon when the daylight sensor is covered. Then you can hear when the valve opens.

Diagnostics:

If the "Start" key is pressed for > 5 s, a system diagnostic is performed and the result is displayed by the LED. The result is displayed in the following sequence:

Sensor (1 long flash = ok, 3 short flashes = sensor defective or not connected),

Magnetic valve (1 long flash = ok, 3 short flashes = valve defective), Usage statistics during last 30 days (1 x flash – few uses ... 3 x flash – many uses)

Stadium mode:

In case of frequent usage the system switches to a "stadium mode" with flushes in fixed intervals. This mode is activated in case of 5 consecutive usages with a duration of less than 30 s each. In this case the flushing interval is set to 1 minute. After a period of 1 minute without usage, the system switches back to normal mode.

Safety functions:

The valve closes at power on. The valve closes at power off and in case of low battery voltage or disconnected power supply. No flushes in case that no ceramics is mounted (daylight sensor detects light).

5. Technical data

Operating voltage:	Mains, 230 V AC \pm 10 %; Battery, 6 V DC	Flushing time:	Selectable 8...18 s
Power consumption:	< 1 VA	IP class	IP 65
Output:	Connector for magnetic valve A&K Müller DN7 6 V DC		

6. Pressure related water amount

