

Short user instruction of the Aquacolor Control-unit

Application

The control-unit is connected to the biofilm sensor and produces an alarm through an LED indication on its front panel when the water quality decreases:

0 - 1.8 Volt: the LED lights green indicating a good / acceptable water quality.

1.8 - 3.6 Volt: the LED blinks red and the water line needs to be flushed.

3.6 - 5 Volt: the water quality is bad and intensive flushing / cleaning of the water line is required to prevent irreversible fouling.

Connecting the sensor to the control-unit

A sticker inside of the control-unit indicates how to connect the sensor wires to the control unit. Also the relay output is indicated in the control-unit. **Warning: Never attempt to switch equipment with the relay if the relay is in contact with the mains voltage. This is very dangerous!**

Monitoring the control-unit using a smartphone

After taking the control-unit in operation, you can connect to it through wifi using a laptop or smartphone. You can do this by connecting to the wifi network with ssid

Control_Unit_Biofilm_Sensor and when prompted you type the password Biofilm007.

You can now open a browser and type the following in the address bar: 192.168.4.1 or <http://www.aquacolor.start>. Adding this address to your favorites, facilitates quick future connections. After connecting, you'll see the sensor menu and the sensor output.

Setting the relay functionality

The recommended voltage at which the water line is flushed amounts 3 Volt. This is also the factory setting of the control-unit. In case you want to use this setting, no further action is required. In case you wish to activate the relay at a different output voltage, you can enter the desired value in the input field and press the send button. Example: If you wish the relay to switch at 2.5 Volt you type 2.5 and subsequently press the send button.

Changing the network name (ssid)

In case you use several control-units in the same farm, it can be convenient to change the network name of the control-units so that you can recognize them easily. Example:

Control_unit_stable_1 and Control_unit_stable_2.

Example: In case you want to change the default network name into Control_unit_stable_1 you type in the input field: newssidControl_unit_stable_1 and press send. If you now disconnect the power from the control-unit and switch it on again, the new setting will be activated.