UV System Controller

System Controller

System Features

- Full digital control for UV systems
- Suitable for UV-low- and medium pressure systems
- Automatic recognition of digital power supplies
- Control of all UV system parameters

Advantages

- Illuminated, resistive touchpanel for easy service
- Splash-proof housing installation possible
- Modular costumizable / expandable
- Custom-made software possible

UV System Controller

The **UV System Controller** has been completely redeveloped and adapted to today's requirements for small- to medium-sized UV systems, both hard- and software-wise.

It is characterized by its **modern design and intelligent functional characteristics** and forms the basis of an extensive system control. Thanks to its **modular structure**, it is **configurable on customer's request**. The setting of system parameters is certainly achieved by an **user-friendly menu navigation**.

Characteristics

The **UV System Controller** is operated with a 24 V supply and can be used in almost all UV systems worldwide. The **touch-sensitive screen** can be equipped with a **splash-proof front foil** for protection in harsh environments, thus ensuring **IP68 protection**. The resistive display allows a flawless **operation by finger, pen and even with gloves**, even if an additional front foil is used.

The controller can be combined with **any analog and digital peripherals**.

Operation

After the UV system has been switched on for the first time, **an automatic query of the connected digital electronic ballasts** and a parameterization of all connected components takes place.

For each UV system, the desired operating parameters and **individual alarm thresholds** can be set.
Thus, an optimal system operation is always guaranteed.

In operating mode, changing the parameters per **password** will be blocked.

Alarm messages are visually displayed.

In addition, alarms via the **configurable relay outputs** can also be sent to superior control systems or acoustic signal transmitters to get redirected.

Application example

Technical Data

Display (3,2", 4,3" optional)	7 inch (standard size) 90 x 160 mm 480 x 800 Pixels
Weight	500 g (including I/O board)
Power supply	24 V DC
Basic configuration	Display size I/O board with - 5x Relais output (changer) - 1x Input potential-free - 1x RS485
Modules (6 slots)	2x digital RS485 4x analog - 4-20mA transmit - 4-20 mA receive - voltage input - PT100 - Pulse/PWM - Data logger
Installation options	in cabinet door or in separate housing
Scope of functions	UV intensity measurement Flow control monitoring Temperature control Control of electronic ballasts Setting of alarm thresholds
Temperature range	0-40°C operation
Protection class	IP68* when installed

* only with splash-proof foil