

UV-Intensity Monitoring OPD(Operating Power Detection)

Instructions

This monitoring unit controls the intensity of the bulb from the measurement of the UVC brightness in the system.

After connecting the system to power, the measurement begins. With each start-up of the plant, the system goes through a startup procedure. The LED light up red, yellow, green for seconds in a row.

This is a function test of the plant. The current brightness of the system is then displayed.

The monitoring unit is designed as a light controller with green, yellow and red light.

% of starting power on the bulb > 70% the green light illuminates

% of starting power on the bulb > 50% and < 70% the yellow light illuminates

% of starting power on the bulb <50% the red light illuminates = Clean the quartz tube or change the bulb!

When the red light is on, the irradiation intensity is not sufficient enough to carry out the descaling operation of the plant.

Resetting the system after bulb change

After bulb change the sensor must be reset.

- Connect the system to power
- Allow it to run normally for 6 minutes
- Press the Reset button and hold for 2 seconds
- Release the button
- The red light is on
- When the yellow light is on, press the Reset button for 2 seconds
- Release the button
- The red light is on
- Again: When the yellow light is on, press the Reset button and hold for 2 seconds
- Release the button

Then, the system undergoes normal start-up procedure, but green light flashes for a few seconds, then lights normally. This confirms that the reset has been completed correctly.

Technical data for the device:

Power supply: 230 V AC

Display:

% of starting power on the bulb > 70% the green lamp illuminates

% of starting power on the bulb > 50% and < 70% the yellow lamp illuminates

% of starting power on the bulb <50% the red lamp illuminates

Special Features: Reset after bulb replacement