

Programming Pro 11

Procedure to Set UV Intensity Monitor Settings

1. Press and hold the 'enter' key for more than 2 seconds to enter the configuration menu.
2. Press 'enter' to navigate to the next menu item.
3. Press 'down' to allow changes on a menu item.
4. Use 'up' to increment values or change options, and 'down' to decrement values or change options.
5. Keep the key pressed for faster value changes.
6. Confirm all changes and setups by **ensuring 'config OK' is displayed on the screen**. This is the last page of the configuration menu.
7. The monitor will exit the menu after approximately 20 seconds without any keystroke.

The only settings that matter

Lamp Lifetime

Options: Enter, Skip

Description: Set the upper limit for the user hour counter to indicate when the lamp needs replacement. (Typically 9000 hours)

Input

Options: Digital, Current, Photodiode

Description: Choose the type of sensor input signal between digital, current, and photodiode.

Input Digital

- **Sensor Number:** Enter the number of connected sensors (up to 2).
- **Sensor ID:** Enter the sensor identifier (see sensor housing).
- **100% Value:** Set the W/m^2 value for 100% UV Intensity
- **Scale Unit:** Select whether the input is a relative [%] and absolute [W/m^2] measurement.

Input Current

- **Scale Unit Selection:** Choose between relative [%] and absolute [W/m^2] measurement by pressing up/down and confirming.
- **Endvalue Setting:** Define the intensity [%] at max sensor output of 20mA. default: sensors 20mA=100%.
- **Calibration Value Entry:** Enter the sensor's calibration value as a reference for value reporting.
- **Base Value Assignment:** Scales the Pro 11's 20mA output. Can be changed from 90 to 120%. View example for explanation.
 - **Example**
 - calibration value ok: base value = 100%:
 - 20mA sensor signal = 20mA monitor UV out
 - calibration value too low - base value set to 90%:
 - 22mA sensor signal = 20mA monitor UV out

- calibration value too high - base value set to 120%:
 - 16,7mA sensor signal = 20mA monitor UV out

Input Photodiode

- **Endvalue:** Defines the reference for percental value calculation; default value is 110% assumed for a brand-new lamp in the first operation hours.
- **Adjust:** See note first. Press down to begin auto amplification adjustment.

Note: The adjustment of sensitivity has to be performed on initial operation and after every lamp-exchange. **The system has to be in steady state!** Let system reach operation temperature for lamps and media.

Main Alarm

Options: Enter, Skip

Description: Set the alarm threshold [0-100%] for the main alarm relay.

Pre-Alarm

Options: Enter, Skip

Description: Set the alarm threshold [0-100%] for the pre alarm relay.