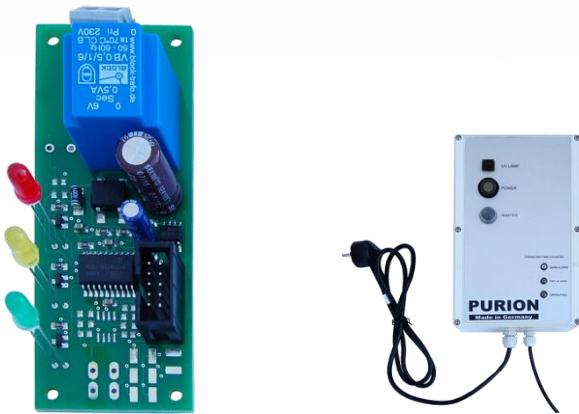


## PURION Monitoring of the life time of the UV lamp Operating Time Counter - OTC

PURION guarantees disinfection up to a time of operation of the PURION UV lamps of max. 10.000 h.<sup>1</sup> Afterwards the PURION UV lamp has to be replaced. The Operating Time Counter (OTC) option monitors the life of the UV lamp via summation of the operating time. The current status is displayed via LED.



picture: OTC board and integration in control box<sup>2</sup>

The OTC option works as a time counter and is integrated in the control box.

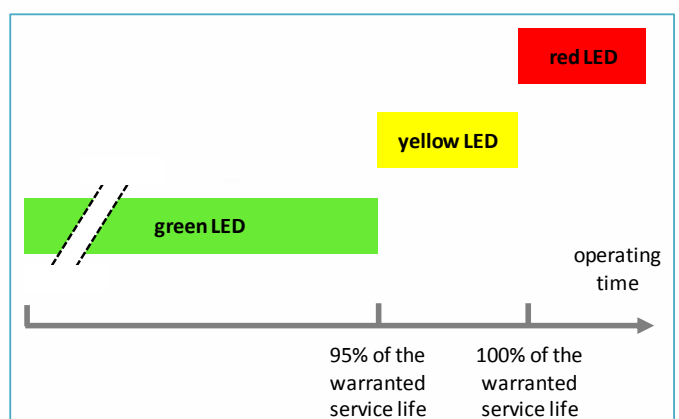
The monitoring system is designed as a traffic light. Two thresholds for the operating time have been saved:

- As long as the operating time is below 95% of the guaranteed life time the **green LED** is illuminated.
- If the operating time exceeds 95% of the guaranteed life time the **yellow LED** is illuminated (pre alert).
- If the operating time exceeds the guaranteed life time the **red LED** is illuminated (main alert). The UV lamp has to be replaced to ensure disinfection.

It is necessary to readjust the system after replacement of the UV lamp with the specified reset-procedure.

It is urgently recommended to clean the immersion tube system with the PURION Service KIT at latest during replacement of the UV lamps.

manufacturer	PURION <sup>®</sup> GmbH
type	Operating Time Counter - OTC
voltage supply	230 V AC or 12 V DC or 24 V DC
signal input	Operating time counter
signal output	optional: potential free contact for any LED
load potential free contacts	up to 100 mA
special function	reset after replacement of the lamp
steady light (green LED)	< 95% of the warranted service life
pre-alarm (yellow LED)	> 95% < 100% of the warranted service life
main-alarm (red LED)	warranted service life has been exceeded



### Advantages

- automatic recording of the exact operating time of the PURION UV lamps
- automatic (pre-)alarm when lamp replacement is necessary
- safe reset-procedure
- maintenance free operation

<sup>1</sup> For UV plants of the PURION H product family the warranted service life is 8.000 operating hours.

<sup>2</sup> exemplary