Time Remaining...
HOURS **15** MINUTES **45** SECONDS **60**

The use of Ultraviolet (UV) light to clean a surface or device is established technology, but this year it has been brought squarely into focus because of the global Coronavirus pandemic. UV sanitation is a highly effective way of ridding surfaces of micro-organisms by destroying nucleic acids and disrupting their DNA, but what if there was a way of revolutionising your cleaning systems by introducing a touchscreen HMI?

Embedded HMI offers
- **Delayed start times**
- **Visual runtimers**
- **Loggable data**
- **Maintenance notifications**

Automated Schedules and Reminders
Manual checks are a thing of the past

Decontamination thorough cleaning and disinfection is a key method for comprehensive infection prevention and control and is critical in reducing and preventing the transmission of pathogens in a large range of environments.

However, having to schedule and manually perform sanitation runs or maintenance procedures introduces an element of risk, increased pressure, and adds time to the daily routine. An automated solution eliminates all of this, offering peace of mind to the user and allowing them to concentrate on the important things.

Advantages of an Automated System

- **Alerts** – no need to have staff man your device, once programmed, automatic alerts can be sent to selected users, so the device can be left to work and you will only be notified when your device requires your attention.
- **Automatic shutdown** – save power and energy by only operating certain UV bulbs at a time, the PanelPilotACE can ensure all UV bulbs are burned evenly, and even alert you when one of them needs replacing.
- **Accuracy** – unlike manual cleaning, where it is not always accurately performed automated devices work to the required period of time to effectively decontaminate the environment.
- **No labour expenses** – once you have set up your device, it can be left to run 24/7 no breaks, no days off and no overtime needed.
- **Improved patient flow** – Improve patient outcomes with an effective decontamination service and you don't have to worry if decontamination has been carried out.

LASCAR electronics

Redesigning Emergency Disinfection Units

In 2019, the PanelPilotACE was brought in to help Evergreen UV, a US-based manufacturer of air disinfection products. They needed to overcome the need for a digital HMI and display to redesign their Emergency Disinfection Units (EDUs). They chose the PanelPilotACE for its user-friendliness, intuitive nature, and many of its built-in features.

"The traditional, manual timers were both very hard to set and their accuracy would diminish. We wanted the EDU to be able to monitor motion sensors, have the ability to log data, and offer alarms - the PanelPilot does all of these things." – Derrick Sears, CTO at Evergreen UV

The overall success of the PanelPilotACE's introduction to Evergreen UV was such that they put it to use in other projects within the organisation. One of which involved using the PanelPilotACE on a disinfecting device to control eight sets of UV bulbs so that they each burned evenly, alerting the user when one is burned out or needs to be replaced based on how much life it had left.

ⓘ Did you know? You can accurately model your application project and perform simulations on one of our PanelPilotACE Development Kits.

For more information, search 'Lascar Evergreen UV Case Study'
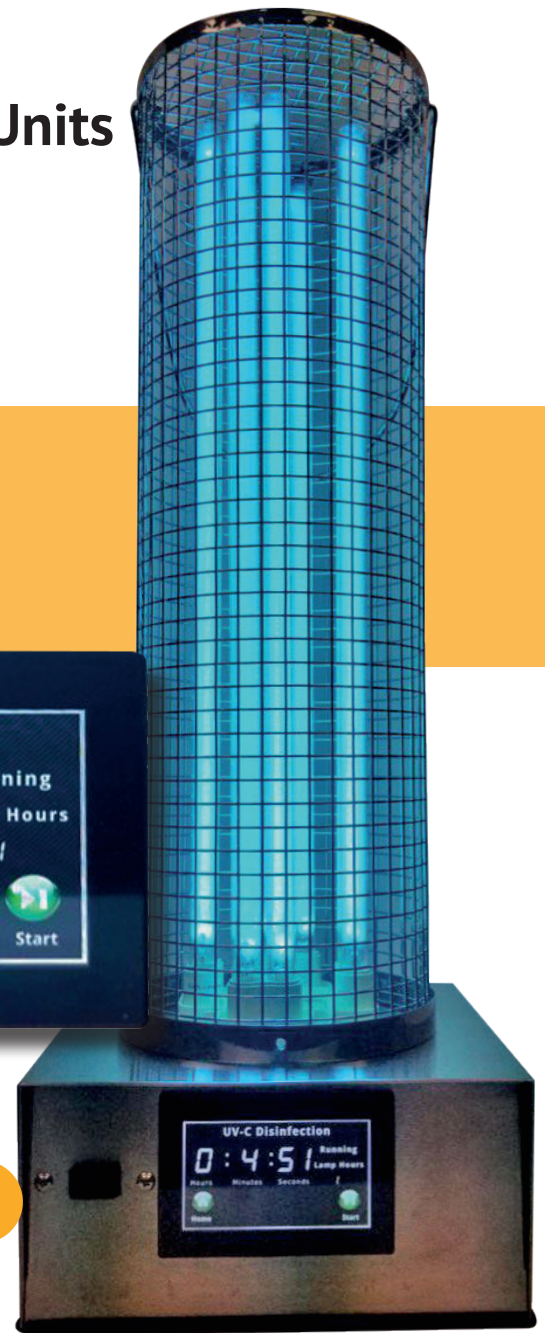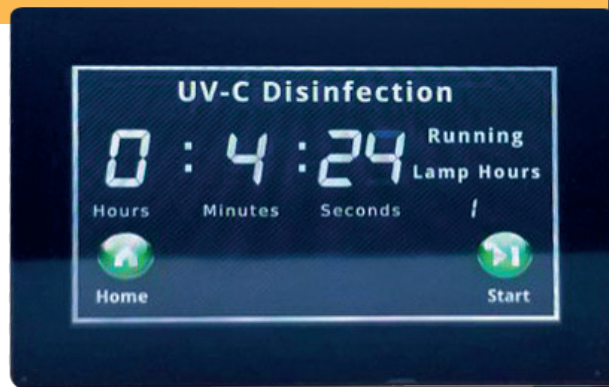
Want a display solution that is unique to you? We can make it happen

With over 40 years' experience in designing and manufacturing bespoke display solutions, Lascar Electronics can help you quickly deliver your custom project.