



PRODUCT NEWS

Automatic Disinfection for Argos™ Monitors

Mirion Technologies is proud to introduce the automatic disinfection option for Argos-3/-5 whole body contamination monitors. This allows a fully automatic disinfection of the face and hand area of Argos-3/-5 monitors by high-power Ultraviolet C (UV-C) light. This option can be factory installed into new Argos-3/-5 monitors, or can be ordered as a field-installable upgrade to existing Argos-3/-5 monitors.

Whole body contamination monitors (WBMs) such as the Argos-3/-5 system are typically used by many individuals who each bring their faces (including mouth and nose) and hands in direct contact to the same surface. This poses a risk for spread of infectious diseases. The automatic disinfection option for the Argos-5 monitor provides a fully automated solution to mitigate this risk to protect workers and personnel.

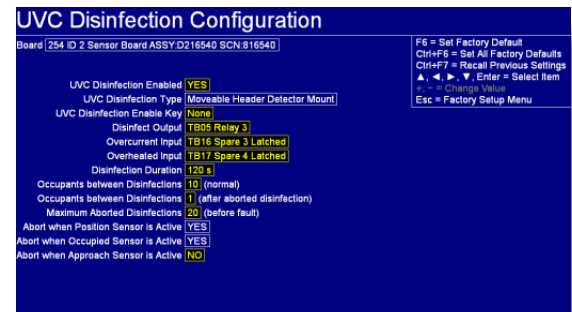
Compared to conventional manual disinfection of WBMs, the automatic disinfection option for Argos-3/-5 monitors features many advantages:

- **Consistency and reproducibility:** unlike a manual disinfection, the automatic disinfection is always performed in the same optimal way for highest protection against spread of infectious diseases.
- **Reliability:** the disinfection is always performed using defined intervals such that each disinfection cycle is clearly documented in the database of the Argos monitor. Even potential faults are automatically identified, and corresponding warning messages are provided.
- **High frequency:** the automatic disinfection option allows for a much higher frequency of disinfection compared to a manual disinfection process. The Monitor Software provides a comprehensive UVC Disinfection Configuration menu.
- **Fully automated:** no labor-intensive manual disinfection required.
- **Gentle on WBM components:** no premature equipment aging due to a chemical disinfection agent.
- **High performance:** no deterioration of radiological performance due to residues of a chemical disinfection agent.



Technical Specifications

- **Disinfection method:** High-power UVC LEDs with 275 nm wavelength installed on the movable head detector and in hand unit to disinfect the face and hand area of an Argos-5 monitor.
- **Required time for disinfection:** Less than 110 seconds for an energy deposition of 52.6 mJ/cm². According to "Ultraviolet Disinfection of Radiological Instrumentation Technical Basis Document" (Doc number RPP-RPT-62241 Rev. 1), prepared for US Department of Energy, an energy deposition of 52.6 mJ/cm² inactivates 99.999% of many pathogens.
- **Safety features:**
 - The disinfection option avoids by design any direct exposure of persons to UVC light.
 - The Argos-3/-5 monitor offers comprehensive safety features including audible and visual annunciation when disinfection is active as well as immediate abort of the disinfection when a person enters the Argos monitor (details are configurable in the Monitor Software).



Ordering Information

Description	Part Number	
	As option for new Argos-3/-5 monitors	As field-installable upgrade kit
Automatic disinfection of face area of Argos-3/-5 monitors	7094104	7095019
Automatic disinfection of hand area of Argos-3/-5 monitors	7094105	7095020
External warning light/sounder to indicate when the disinfection process is active	7094106	

Any Questions?

Please contact your local Mirion sales or service affiliate for a quotation or further information.



Please note: The automatic disinfection of the face area is only available for Argos-3/-5 monitors with movable head detector with extended range (part numbers ARGOS5-FLW-MHD-XTD and ARGOS5-TPS-MHD-XTD), which have been introduced in 2012. It is by default not compatible with earlier versions of the movable head detector (such as previous part number 816653). A field-installable upgrade will typically require an update of the Monitor Software.