



MONITORING

Automatic UVC Disinfection for Argos™-3/-5 Monitors

Ultraviolet C (UVC) Disinfection option for Argos-3/-5 systems Whole Body contamination Monitors (WBMs)



FEATURES

- **Consistent and Reproducible:** unlike a manual disinfection, automatic UVC disinfection is always performed in the same optimal way for highest protection against spread of infectious diseases
- **Reliable:** the disinfection is always performed using defined intervals such that each disinfection cycle is clearly documented in the database of the Argos-3/-5 monitor. Even potential faults are automatically identified, and corresponding warning messages are provided
- **High Frequency:** the automatic UVC disinfection option allows for a much higher frequency of disinfection compared to a manual disinfection process. The Monitor Program 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 of the WBM due to residues of a chemical disinfection agent

DESCRIPTION

Mirion Technologies is proud to introduce the Automatic UVC Disinfection Option for Argos-3/-5 Whole Body contamination Monitors (WBMs). This allows a fully automatic disinfection of the face and hand area of Argos-3/-5 WBMs by high-power UVC 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 such as the Argos-3 or Argos-5 monitors 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 UVC Disinfection Option for Argos-3/-5 monitors provides a fully automated solution to mitigate this risk to protect workers and personnel.

Automatic UVC Disinfection for Argos-3/-5 Monitors | UVC DISINFECTION OPTION

SPECIFICATIONS

Disinfection Method

- High-power 275 nm wavelength UVC LEDs installed on the Movable Head Detector (MHD) and in the hand unit to disinfect the face and hand area (respectively) of an Argos-3 or Argos-5 WBM.

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

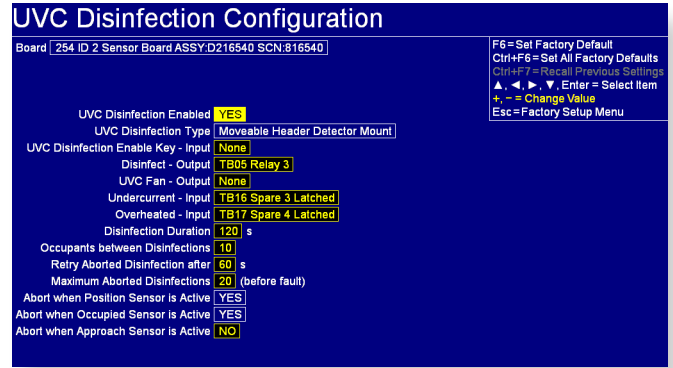
- The automatic UVC disinfection option avoids any direct exposure of persons to UVC light by design.
- The Argos-3/-5 WBM provides comprehensive safety features including audible and visual annunciation when automatic UVC disinfection is active as well as immediate abort of the disinfection process when a person approaches or enters the monitor (details are configurable in the Monitor Program software or via WebRemote® as shown at right).

ORDERING INFORMATION

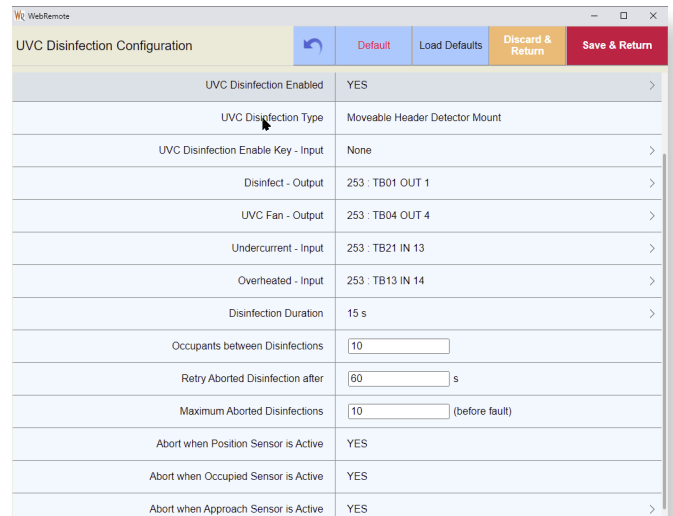
Description	Part Number	
	As factory-installed option for new Argos-3/-5 monitors	As field-installable upgrade kit ¹
Automatic UVC disinfection of face area of Argos-3/-5 monitors	7094104	7095019 ²
Automatic UVC disinfection of hand area of Argos-3/-5 monitors	7094105	7095020
External warning light/sounder to indicate when the disinfection process is active	7094106	

Please note the following and consult your local Mirion Technologies Sales/Service affiliate for further details and/or assistance:

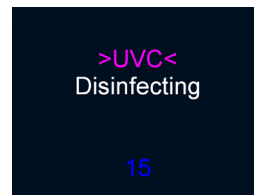
- A field-installable upgrade will typically require an update of the Monitor Program if Version 9.07 (211019) or higher is not already installed and running.
- Part Number 7095019 is only available for Argos-3/-5 monitors with the Movable Head Detector Extended Range option pre-installed (part numbers ARGOS5-FLW-MHD-XTD and ARGOS5-TPS-MHD-XTD) which were introduced in 2012. It is by default not compatible with earlier versions of the movable head detector (such as legacy part number 816653).



UVC Disinfection Configuration Screen in Monitor Program Software



WebRemote UVC Disinfection Configuration Screen



Visual Indication and Count Down of UVC Disinfection In Progress on Screen



External Warning Light/Sounder