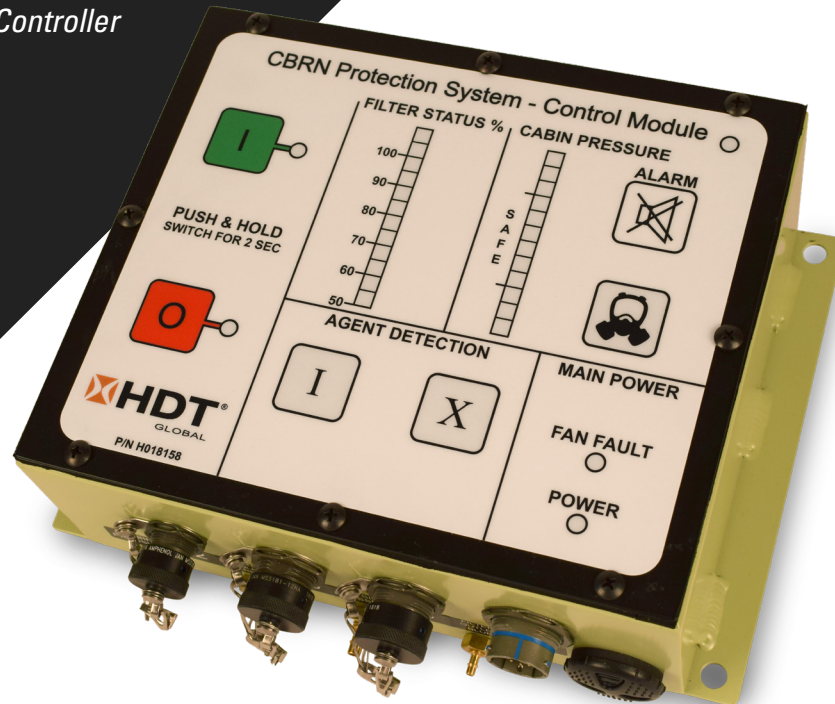# UNIVERSAL SYSTEMS CONTROL MODULE

Digital CBRN System Controller

XHDT

The Universal System Control Module (USCM) is a digital system controller that monitors the protected volume (Toxic Free Area – TFA) pressure relative to the outside ambient pressure and provides variable-speed signals to the filtration system fan controller to maintain constant pressure in the TFA.

The USCM features include a digital graphical display of the positive pressure in the TFA and the pressure differential pressure across the filter (at the current flow). It provides 2 JCAD (LCD 3.3) chemical agent detector interfaces for automatic and remote operation. The USCM also includes an interface (dry contacts) to activate or deactivate external devices and has audible and visual alarms.

The USCM is firmware-driven, and its display and functions can be customized to customer or application requirements. Customization options include pressure control points, alarm points, agent alarm and auxiliary contacts functionality.

The USCM was designed to operate with legacy systems such as the M93 (5-19-8892), H100 filtration systems (used on the MMPV) and the newer HDT FFA100-124 and FFA100-224. These systems are suitable for vehicle or hard wall shelter operation.

KEY FEATURES

- Positive pressure control (0.5-4 IWG/120-1000Pa)
- Filter pressure drop display (up to 20 IWG/5,000Pa)
- Two JCAD (LCD3.3) detectors interfaces
- Automatic / remote / manual operation

- Programmable / customizable
- Auxiliary contacts for external devices with programmable timers
- Light-sensitive display intensity

XHDT

SPECIFICATIONS

HDT part number	H018158
Pressure control range	0.5 – 4 IWG 125 – 1,000Pa
Filter pressure display max.	20 IWG 5,000Pa
Agent detector interface	2x JCAD 2x LCD3.3
Auxiliary contacts	2 sets
Physical characteristics	
L x W x H	9.5" x 8" x 3.6" 24 x 20 x 9 cm
L x W x H (with mounting flange)	11.07" x 8" x 3.6" 28 x 20 x 9 cm
Weight	4 lbs 1.8 kg
Power	Operated from Main Filter system 28 VDC nominal

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design.
Please contact Customer Service at 800.969.8527 for the most up-to-date product information.