

ONGUARD®

800 SYSTEM

MODULAR SPECIAL HAZARD SAFETY CONTROLS

The Allestec model 1443D Release Module can accommodate a single or dual release application system. Conditions can be programmed to allow the reserve tank to extinguish if the main tank should fail or if the fire remains after the main tank discharges. Two independent time delays can be programmed into the module to control each discharge tank. Each solenoid circuit is rated at 24 VDC, 4 amps.

The module can be located into an inhibit mode so the system can be tested without activating the solenoids. Other features include the ability to program an abort switch to add 30 seconds to the existing module timing sequence or activate a solenoid on the release of the abort button.

Faults that are transmitted to the Fault Module include open solenoid circuit coil(s), open pressure line switch or open abort switch line.

An auxiliary relay is activated at the time of the main tank activation. This relay is a SPDT contact, selectable with a 5 amp rating.

REPRESENTED BY:



FEATURES

- Direct replacement for the model 1443 Release Module
- Solenoid-driven system to allow for various agent releases
- Inhibit (disable) function allows system testing without activating the solenoids
- Ability to accommodate one or two release tanks
- Automatic backup mode protects against post-ignition occurrence
- Abort and pressure switch can be optional accessories
- Microprocessor is fully programmed through the two membrane switches
- Non-volatile memory storage of configuration data
- Sonalert beeps at each second interval

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RELEASE ASSE module

Factory Mutual System

CE

SPECIFICATIONS

ELECTRICAL

Approved operating voltage:	20 - 28 VDC redundant power sources
Operating current:	70mA quiescent, 107mA alarm; no load
Release solenoids:	Two independent circuits source 24 VDC, 4 amps each
Auxiliary discharge relay:	Dry contact changes state on the first (main) release SPDT relay rated 5 amps, 30 VDC resistive, 250 VAC

RELEASE

Timed release:	Two independent adjustable digital timers: Main time is: .1 to 9.9 minutes, Reserve time is: .2 to 9.9 minutes
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OTHER FUNCTIONS

Abort output: (delayed or on abort release)	24 VDC output during time countdown
Clock sync output:	1 Hz, 24 VDC during time countdown
External reset:	Open TB1-6 terminal from negative will reset timing sequence; input normally grounded

MECHANICAL

Size:	1.04"W X 3.46"H X 6.4"D
Weight:	4.0 ounces

ENVIRONMENT

Ambient operating temperature:	0 degrees F to 150 degrees F, -17 degrees C to 65 degrees C, 90% humidity non-condensing
Packaging and exposure:	NEMA 1

PART	DESCRIPTION
800-1443D	Release Module - standard label
800-1186	System Manual

TYPICAL WIRING

