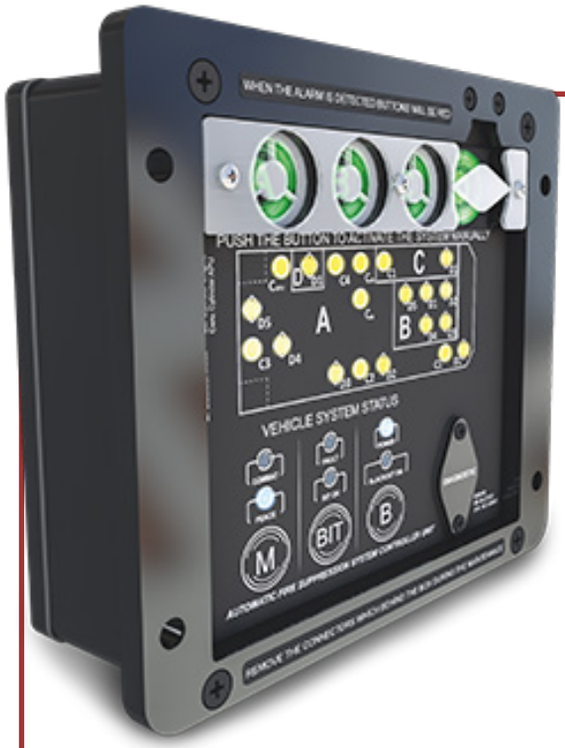
AUTOMATIC FIRE EXTINGUISHING SYSTEMS



ARESFSS CONTROL UNIT FAMILY

- ARESFSS control unit is the unit section where warning, detection and fault status of the system which is designed and developed by ARESFSS Industry completely as a completely domestic product, by power leds belonging to each cylinder and detector. ARESFSS Control unit which operates flexibly, complying with system configurations and operating logic, controls fire extinguishing and fire suppression system. This smart control unit which has a many-chambered compact structure, receives the detection signals for power group, body, tire, engine, crew and other compartments to be protected and activates the system.

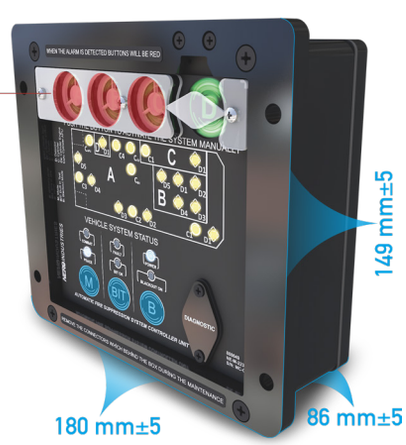
- By means of smart control unit, system verifications and logical operations could be performed. It has features of built-in-test, manual activation and automatic activation. It has water and dust protection at IP 67 level. Error, alarm and other data regarding fire suppression and fire extinguishing system are transmitted to vehicle main computer by CANBUS communication infrastructure.

ARESFSS III+

CREW Compartment Activation (Button Light Green)

CREW Compartment Alarm (Button Light Red)

Manuel Body Activation
Manuel Tires Activation
Manuel Engine Activation
Manuel Crew Activation
Blackout Mode
Built In Test
Combat / Peace Mode Selection



TECHNICAL SPECIFICATIONS

High speed reaction in a time period less than 6 milliseconds	MTBF duration of 140,000 hours
Automatic and manual built-intest opportunity(BIT)	Galvanically isolated
Accepts input signals from optical detectors, thermocouples and thermal wire	Power supply: 24 VDC nominal (16-32V)
Automatic-manual activation	Power consumption: 450 mA @ 24 VDC
Manual activation and output signal for each compartment	Weight : 2240 gr ± 290 gr (Depends on configuration)
Fault indication for each cylinder and detector on vehicle diagram	Dimensions (WXLXH) :180 x 86 x 149 mm (±5 mm)
Alarm LEDs for every compartment	Produced as per PCB IPC A-610 class-3
Alarm logging until next reset	IP67 water and dust ingress protection
Recording fire detections, manual activations and error conditions	Salt fog test resistance 800 hours
The last 500 datalog entries can be reached	MIL-STD-810H ,MIL-STD-461G, MIL-STD certifications, 1275E UL, conforming to CE GOST-R standard

UNIT CONTROL CAPABILITIES

12 Detector (Programmable Function)
12 Cylinders(Crew (4) Engine (2) Tires (2) Body (4))
Double Shot Feature(Crew and Engine)
While manual buttons provide activation, data could be recorded by CANBUS independant from electronic system.
DC/DC Isolation

Manual Body Activation
Manual Tires Activation
Manual Engine Activation
Manual Crew Activation
Blackout Mode
Built In Test Equipment(BIT)
Combat / Peace Mode Selection

4 Inputs:

-Input 1 : Vehicle ignition switch ('NO' contact, switching to battery (+))
-Input 2 : Blackout input ('NO' contact, switching to battery (-))
-Input 3 : Emergency input ('NO' contact, switching to battery (-))
-Input 4 : Configurable digital inputs ('NO' contact, switching to battery (-))

4 Output (1A 24V DC):

-Output 1 : Main warning (1A @ 24VDC)
-Output 2 : Crew fire alarm (1A @ 24VDC)
-Output 3 : Engine fire alarm (1A @ 24VDC)
-Output 4 : Crew fan controller (1A @ 24VDC)