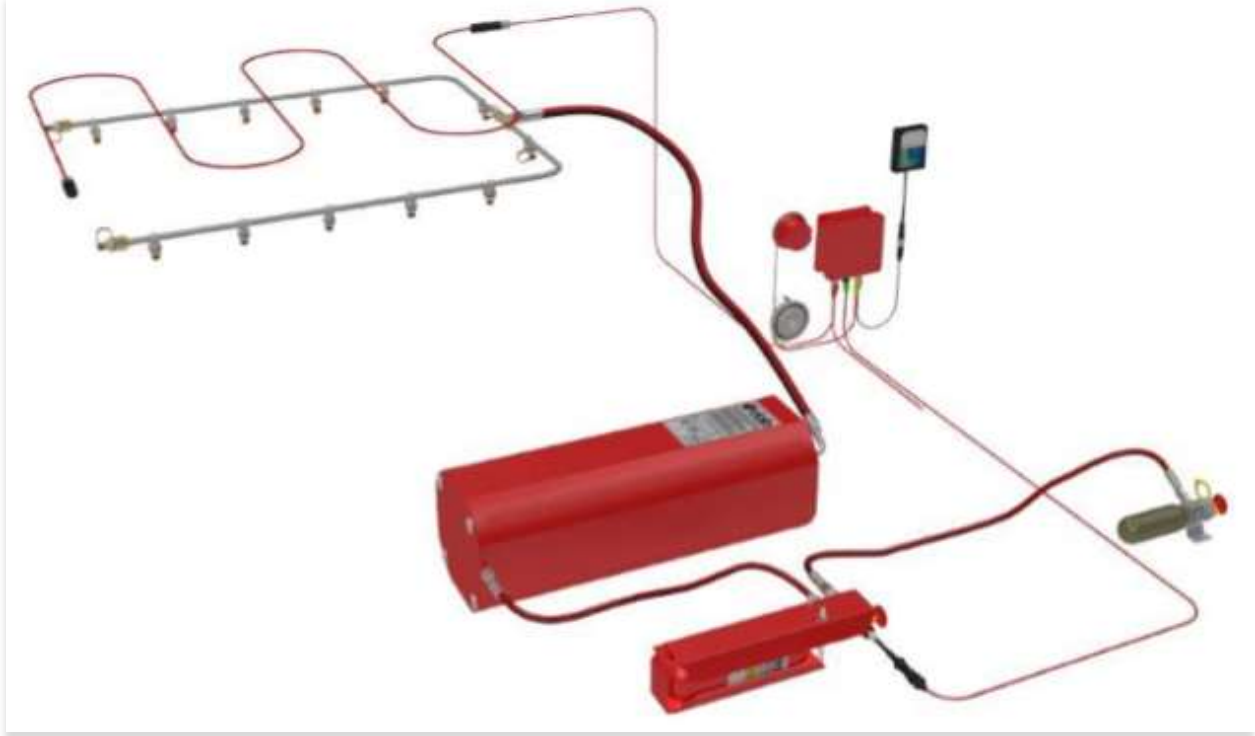


This manual is intended for the vehicle operator for use of the Dafo SV-K Vehicle Fire Suppression System (VFSS). The system should be activated by an Authorized Dafo Distributor after delivery to verify it is operating properly.



Read this Operators Manual in its entirety before operating the vehicle or Fire Suppression System. If at any step of the following process the system does not react in the described manner it will be necessary to contact an Authorized Dafo Distributor. Only authorized Dafo Distributors should service or maintain the Dafo VFSS. If assistance is needed contact the Dafo US, Technical Support line at 1-910-769-6299, Ext. 3.

This document covers only the following vehicles and Control Units for the Dafo SV-K VFSS:

- TimberPro Model TL735D
- Control Unit- CV-01/DK (P/N 55-3070-70) or CV-01/CK (P/N 55-3070-60)
- Back-up Battery- 9-volt Model No. GPCR-V9 (P/N 55-4490-09)

Operation of VFSS

This vehicle is equipped with a Dafo SV-K Vehicle Fire Suppression System (VFSS). The Operator Interface is the Dafo Alarm Panel located to the left of the door just behind the operator's seat. There is no procedure to turn the system on or off. The system is always automatically active, 24 hours a day to provide fire protection to the vehicle. There are recommended procedures for the end user to perform to ensure that the system is operating properly or in need of service.

This system is set with a 15 second delay. The system will alert the operator of fire detection and will automatically actuate 15 seconds after detection is initiated.

The alarm panel is equipped with LED lights that indicate; fire alarm, operational status, and displays system monitoring functions. The alarm panel has a green push-button for testing and resetting the VFSS, and a red release push-button for manual activation of the VFSS. The system is also equipped with an audible sounder that sounds in conjunction with the fire alarm and test functions of the alarm panel. The system is equipped with an internal back-up power battery in case the primary power circuit is interrupted.

What to Do in Case of a Fire:

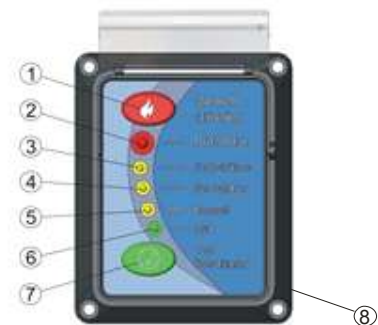
- If necessary, evacuate the vehicle immediately!
- Discharge VFSS either manually from the Alarm Panel or from the outside of the vehicle if not automatically discharged

If safe to do so, complete the following:

- Stop the engine, set the brake and ground any hydraulics
- Turn off master switch
- Cut fuel supply if possible
- Be prepared with a portable extinguisher in case of re-ignition
- Avoid inhaling fumes

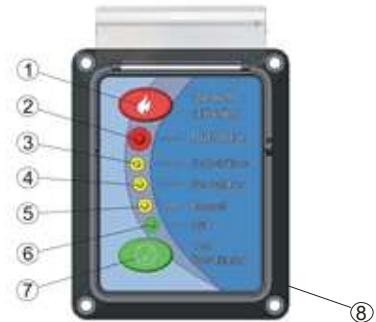
Description of LEDs and buttons on the control panel when the system is running on external power source.

1. Manual Actuation Button: Break wire seal, lift clear plastic guard and hold for a minimum of 1 sec. for actuation
2. Fire Alarm LED: Flashes at alarm and after release
3. Fault Actuator LED: Indicates a fault in Actuator Circuit
4. Fault Detector LED: Indicates fault in Detector Circuit
5. Manual LED: System is operating in manual only mode
6. On LED: Solid light indicates system is on
7. Test/Reset Button: for system and alarm devices
Reset of system after fire/fault
Reset of shut down/control functions if connected
Silencing of sounder, hold for 3 seconds
8. Alarm Panel with clear plastic guard: Normally secured with wire



**Description of LEDs and buttons on the control panel
when system is running on internal battery.**

1. **Manual Actuation Button:** Break wire seal, lift clear plastic guard and hold for a minimum of 1 sec. for actuation
2. Fire Alarm LED: Flashes at 2 Hz at alarm, flashes at 1 Hz after release.
3. Fault Actuator LED: Flashes at fault in Actuator circuit
4. Fault Detector LED: Flashes at fault in Linear Detector Line circuit
5. Manual LED: Flashes when system is operating in manual only mode
6. On LED: Flashes every 5 seconds when system is on. (This indicates that the primary power circuit has been interrupted.)
7. Test/Reset button for system
Reset of system after fire/fault
Reset of shut down/control functions if connected
Silencing of sounder, hold for 3 seconds
8. Alarm Panel with clear plastic guard: Normally secured with wire



Automatic internal battery status indication

1. If the Alarm Panel shows scrolling lights on the 3 yellow LEDs (3-5) and the green operating LED (6) is solid the internal battery power is too low and should be replaced by your Authorized Dafo Distributor.
2. If some of the yellow LEDs (3-5) are in active mode (i.e., fault present) the other yellow LEDs flash when internal battery power is low.

If the Alarm Panel shows any of the following, contact your Authorized Dafo Distributor for service or contact Dafo US, Technical Support line at, 1-910-769-6299, Ext. 3.

- Any of the yellow Fault LEDs illuminated either flashing or solid
- The green On LED is flashing and not solid

Secondary Manual Activation Point:

The vehicle is also equipped with a secondary manual activation point located at the front of the engine compartment just above the Gray DEF tank. See Figure 1.

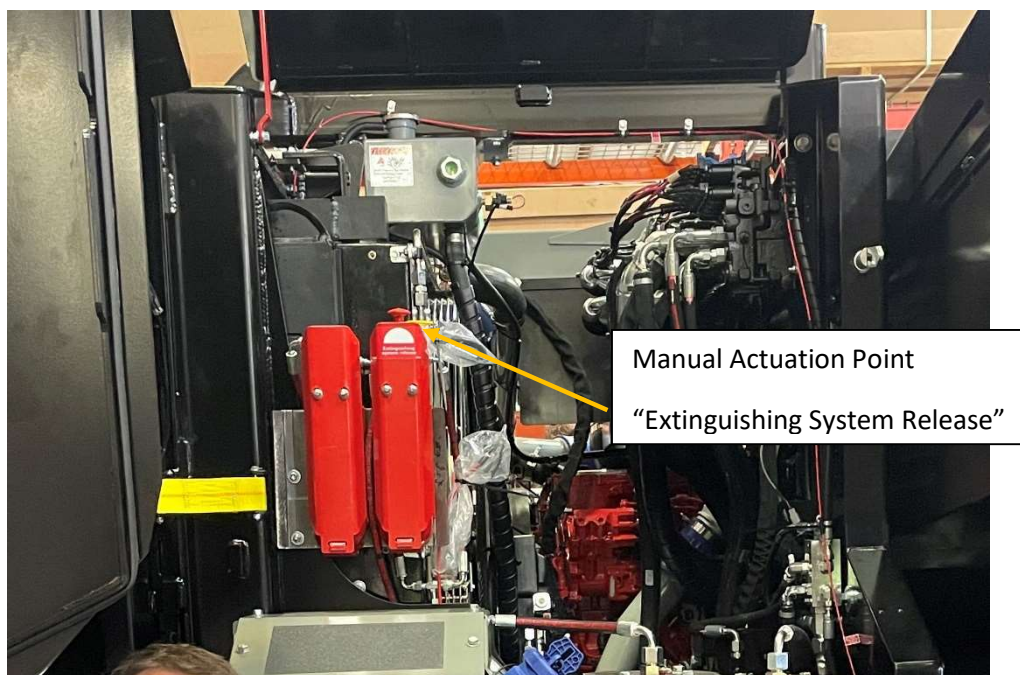


Figure 1

To Manually Actuate the system:

1. Open the front engine cowling
2. Pull the yellow guard on the right-side bracket marked "Extinguishing System Release". Forcefully push down on the Red Push-button.

Operators Daily Check:

1. Verify that the green power "ON" LED is illuminated solid
2. Press the Test/Reset button for 1 second while observing the alarm panel.
 - a. The Alarm Panel LEDs should flash, and the sounder should annunciate several times. If the system does not react as described, contact your Authorized Dafo Distributor for service or contact Dafo US, Technical Support line at, 1-910-769-6299, Ext. 3.

Operators Monthly Check:

1. Perform the Daily Check above.
2. Walk over the vehicle and observe that all the systems hoses, distribution lines, tanks and cables appear undamaged. Verify that the yellow safety pull-ring is in-place on the manual release station. If the system appears damaged or does not react as described, contact your Authorized Dafo Distributor for service or contact Dafo US, Technical Support line at, 1-910-769-6299, Ext. 3

Service & Maintenance:

1. At minimum the system should be inspected and serviced by an Authorized Dafo Distributor every 6 months. Contact your Authorized Dafo Distributor for service or contact Dafo US, Technical Support line at, 1-910-769-6299, Ext. 3.
2. At 5-year and 10-year intervals certain components will need to be replaced or rebuilt. Contact your Authorized Dafo Distributor for service or contact Dafo US, Technical Support line at, 1-910-769-6299, Ext. 3.

⚠ CAUTION ⚠

The VFSS should be disabled prior to performing pressure washing or steam cleaning. Use caution to avoid damaging the Linear Detection Line. Damage to the linear detection line could cause unintentional system discharge. The system should be enabled by a Dafo Certified Technician.

⚠ CAUTION ⚠

The VFSS should be disconnected from the vehicles battery prior to any welding, jumpstarting, recharging of the vehicles batteries or work on the vehicle electrical system. Failure to do so may cause an unintentional system discharge.

After System Discharge:

1. If not already done: Disconnect the batteries and shut off the fuel system.
2. The system may be reset or silenced by pushing the "Test/ Reset" button on the Alarm Panel for 3 seconds or until system resets. As an alternate the red cable can be removed from the base of the control unit.
3. Rinse the vehicle components with fresh water as soon as it is safe to do so and within the first 24 hours.
4. Do not operate the vehicle before full inspection has been completed and the vehicle has been determined to be in a safe condition.
5. Contact your Authorized Dafo Distributor for service or contact Dafo US, Technical Support line at, 1-910-769-6299, Ext. 3.

Warranty:

There is a twelve-month warranty from the delivery date of the vehicle or from the date of the installation certificate. Within this time, defects in material or manufacture of components delivered from Dafo US will be replaced free of charge. The warranty is valid only under the condition that the defect is reported directly to Dafo US, or to one of the authorized service companies. Faults or malfunctions caused by component exchanges or service made by other companies do not give right to free replacement. Secondary damage or losses caused by malfunction is not compensated even if the malfunction is related to the warranty commitment. The warranty does not comprise transport damages or faults resulting from external mechanical causes.

