The controller is capable of two zone detection and has the ability to drive up to six high-speed extinguishers (four crew and two engine). The unit controls system power, manages system operation and communicates with other vehicle subsystems. The controller monitors sensors automatically, and the system may be manually activated by the operator at any time using the manual discharge switches.

When a fire is detected by a sensor, the controller activates the appropriate extinguisher within milliseconds of initial detection. The controller provides the appropriate operational status, warnings and faults to inform the driver where a fire, or fault, occurs.

The controller includes power, fire warning and fault indicators for each zone. Also included are reset and manual discharge switches for each zone. This controller is designed to interface with the Kidde Dual Spectrum® PM-3MT series of Infrared Sensors.

An optional watch mode time can be selected to allow protection for up to 120 minutes following vehicle shutdown.
Performance Characteristics

Voltage Characteristic
Meets requirements of MIL-STD-1275

Power
Quiescent power draws 5 Watts @ 28VDC

EMI
Qualified to appropriate requirements of MIL-STD-461

Weight
5 pounds maximum

Temperature Range
-40°F (-40°C) to +158°F (70°C)

Environmental
Qualified to vibration, shock, immersion and humidity requirements of MIL-STD-810 for combat vehicle

Typical System Layout