

KVS-2025 Automatic Fire Sensing System

FEATURES

- **Vehicle Fire System Control Panel**
- **Expandable, modular**
- **Programmable Time Delay**
- **Multiple system discharge capability**
- **Battery Backup Module**
- **Alarm Silence Switch**
- **LED annunciation of alarm, trouble, fire, operation**
- **Low Maintenance**
- **12V or 24V electrical systems**
- **FM approved, including heavy-duty off-road vehicle approvals**

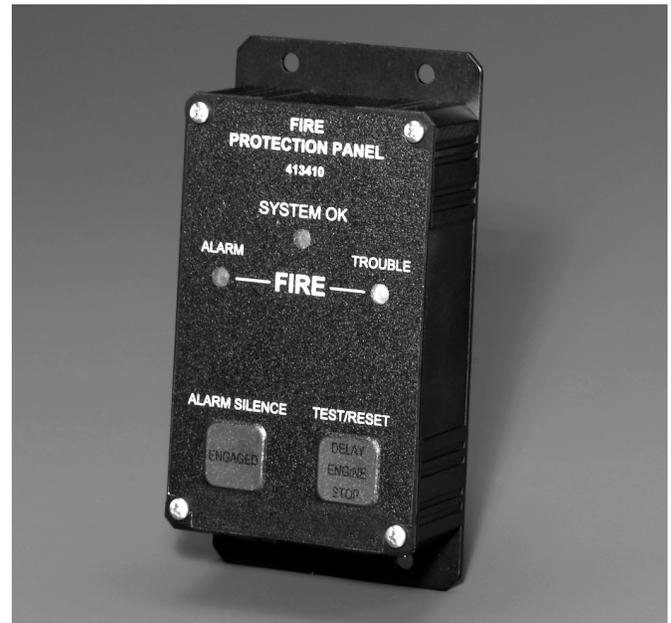
DESCRIPTION

The Kidde® KVS detection system uses a fast response, infrared fire sensor, spot heat detection and/or Linear Heat Sensing Cable, all of which continually monitor the hazard area for a fire condition. Once a fire is detected, a signal is immediately sent to the control panel located in the operator's area where a "FIRE" lamp is illuminated and an audible alarm is sounded. The control unit supplies engine shutdown and extinguisher discharge timing and activation. The dry chemical and/or foam system discharges suppressant routed through distribution hoses to nozzles located in the engine compartment, hydraulic network and other identified potential fire areas. The vehicle engine can be automatically shutdown to maximize effectiveness of the suppressant and to prevent re-ignition of the fire.

The Kidde KVS Automatic Fire Sensing and Suppression System is designed to detect and automatically suppress vehicle fires. The system responds to fires fueled by: diesel, gasoline, hydraulic fluid, and other fuels, including hydrogen.

Areas where fires can occur include:

- Engine Compartment:
 - Fuel Tanks and Lines
 - Hydraulic Reservoirs
 - Lines and Accumulators
- Heaters
- Transmissions
- Battery Compartment
- Electrical Distribution and Raceways



TECHNICAL DATA

- Power Requirement: 12 Vdc or 24 Vdc (9 to 32 Vdc)
- Quiescent (Fire Only): 2.4 W
- Extinguisher Valve Drive Requires 15 A for 30 ms
- Temperature Rating: -40°F (-40°C) to 158°F (70°C)
- Automatic Interface
- Normally-Open 3 Amp Contact Shorts to Ground when in Alarm
- Engine Shutdown
- Fuel Pump and/or Fuel Valve Shutdown
- Fan Shutdown
- Delay System/Engine-Shutdown Button (15 sec. delay per activation)
- Alarm Silence, Reset, Indicator Test Button
- Manual Discharge Input

ORDERING INFORMATION

Part Number	Description	Shipping Weight
83-132002-001	KVS-20205 Control Panel	1 lb.
83-132001-001	KVS-2020 Infrared Sensor	1 lb.
83-132003-001	KVS-2020 Expansion Module	1 lb.
83-132015-001	KVS-2020 End-of-line Device	1 lb.
83-132016-001	KVS-2020 IR Test Kit	2 lb.
83-132017-001	KVS-2020 Backup Battery Assembly,	5 lb.
83-100001-003	LHS (Linear Heat Sensing) Cable 100 m Reel (328 ft. approx.)	10 lb.

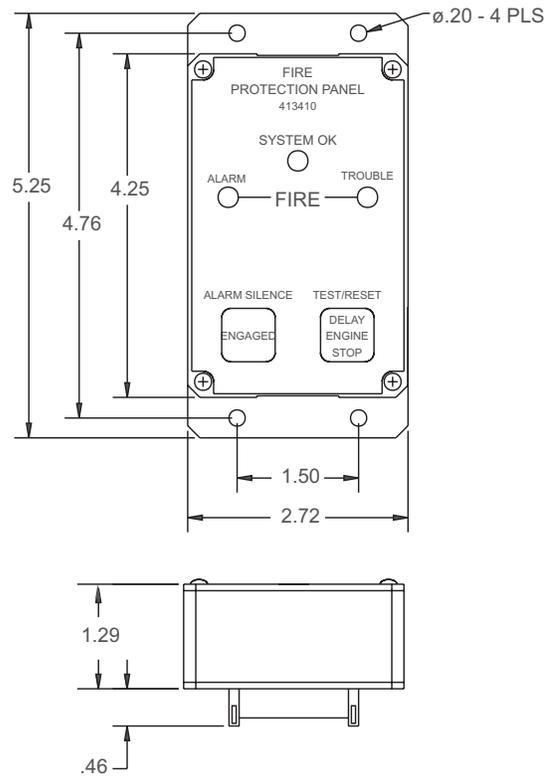


Figure 1. KVS-2020 Front View

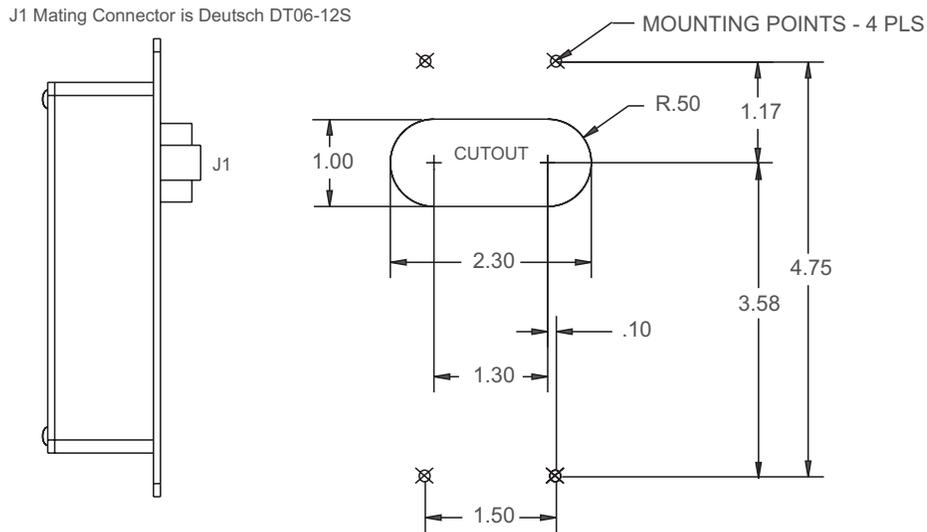


Figure 2. KVS-2020 Side View

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 If you need more information on this product, or if you have a particular problem or question, contact KIDDE-FENWAL, INC., Ashland, MA 01721. Telephone: (508) 881-2000.



A UTC Fire & Security Company

400 Main Street
 Ashland, MA 01721
 Ph: 508.881.2000
 Fax: 508.881.8920

www.kiddefiresystems.com