

| TRADITIONAL FIRE PROTECTION SYSTEMS | EXACT TITAN FIRE PROTECTION SYSTEM |
|---|--|
| General system characteristics | |
| Hardwired system | Addressable CAN bus architecture |
| One or two systems protecting 1 to 2 compartments | One integrated system protecting 1 to 4 compartments |
| Very limited possibilities of integration with other vehicle systems, communication with other vehicle systems not possible | Can be integrated with other systems in the vehicle, communicates with other vehicle systems |
| Lack the capability to automatically adapt to changing conditions | Automatic adaptability: When conditions change, Titan adjusts its mode of operation accordingly. |
| Fixed design (system and components) | Flexible, upgradable design (system and components) |
| System configuration | |
| Application-specific components – used in a limited number of applications | Standardized, programmable components – can be used in all applications |
| Fixed factory settings | Field-upgradable, semi-automatic configuration |
| Fixed fire alarm and fire suppression logic | Programmable fire alarm and fire suppression logic |
| Fire detection performance | |
| Detection of fire by only one detector is enough to actuate the fire suppression process – risk of false alarms | Control unit receives information from several detectors and sources, analyses it and decides whether to initiate fire suppression activities – greater immunity to false alarms |
| Limited capability to detect different types of fire hazards | Capable of detecting all fires + armour penetrations, detection performance is always optimal |
| Fire suppression performance | |
| 1 to 2 discharges into 1 to 2 compartments | 1 to 4 discharges (1 to 4 fire/explosion incidents), the extinguishing agent being discharged into 1 to 4 compartments |
| Installation | |
| Troublesome and time-consuming installation | Quick and easy wiring and installation |
| Additional characteristics | |
| Traditional user interface with buttons, switches & leds | Graphical user interface Full-colour OLED display, navigation & selection buttons, LED indicators, manual release button Event log UPS function |