

Pyrogen EXA Stand-Alone Kit

*A complete pre-engineered fire suppression kit –
autonomous detection and operation*

(Protection of Electrical Cabinets & Enclosures; small to medium Engine & Machinery Spaces; enclosed Machinery & Structural Compartments)

1. System Description

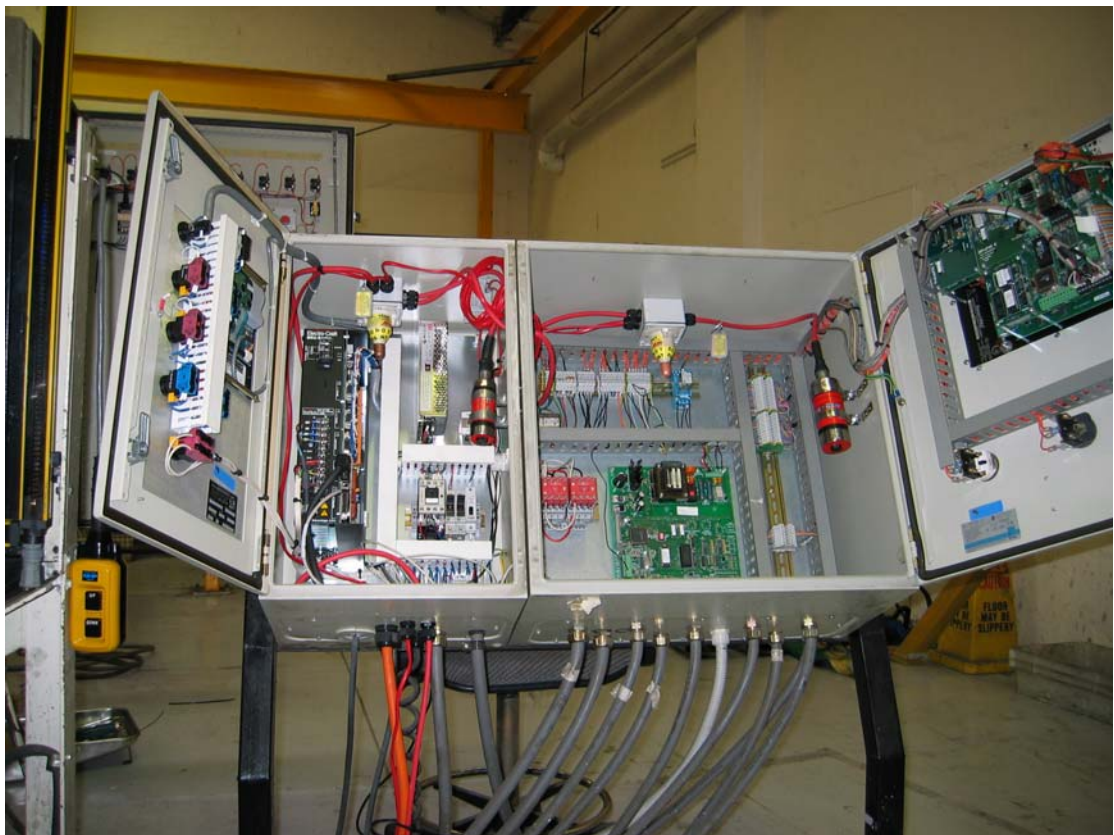
Pyrogen Stand-Alone Kit is a complete fire suppression system specifically designed as a low cost and simple solution to a difficult task of protecting electrical and other small to medium electrical/industrial/marine enclosures from ravages of fire.

Pyrogen Stand-Alone Kit consists of a Pyrogen EXA extinguishing module and an autonomous thermal detection and activation device T-START, which detects fire at a rated temperature and activates Pyrogen EXA module.

T-START requires no external power supply or battery.

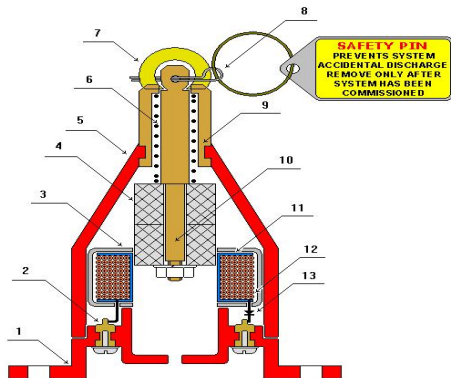
Pyrogen Stand-Alone Kit features the following unique characteristics:

- rapid system discharge – instantaneous extinguishing action, low agent consumption, minimum fire damage;
- non-pressurised self-contained extinguishing modules;
- installed inside the engine compartment, no piping;
- no liquids, no gases, no pressure gauges, no leakage, no modules weighting;
- ambient operation temperature range up to 95°C;
- resistance to vibration, high humidity, corrosive and salty atmospheres;
- easy installation;
- minimal maintenance (only electrical monitoring for an electrical system where installed);



2. T-START thermal detection and activation device

A unique T-START detection and activation device is designed to automatically detect the fire at either 72°C or 110°C and generate an electromagnetic impulse to activate Pyrogen EXA aerosol modules.



The main element of the T-start is a heat-sensitive lock made of a special memory-shaped alloy.

In a fire situation when the ambient temperature near the heat-sensitive lock reaches its rated value of 72°C or 110°C, the lock operates and releases a spring that moves a rod with an attached magnet through an induction electromagnetic coil generating an electric impulse. The generated electric impulse sets off the Pyrogen EXA module(s).

Depending on the system requirements, T-START can be a sole detection and activation device (simple stand alone Pyrogen-T-START fire suppression system) or form an integral component of a comprehensive system including a fire panel.

Pyrogen EXA modular system is a drop-in low cost & low maintenance solution to a difficult task of protecting electrical enclosures, equipment and machinery from fires.

