



PYROGEN FIRE SUPPRESSION SYSTEM - AN IN-BUILT SAFETY FEATURE FOR ELECTRICAL CABINETS, CNC MACHINES AND OTHER EQUIPMENT

1. Brief on Pyrogen

Pyrogen Technologies (AUST) Pty Ltd design, manufacture and market a Pyrogen fire suppression system specifically for protection of the electrical cabinets, CNC machines and other equipment.

- Pyrogen extinguishing module is a non-pressurised metal canister fitted inside a protected enclosure.
- There is no piping required.
- Pyrogen has low extinguishing concentration, is rapidly released, environmentally friendly and requires no maintenance.
- Low cost and effective solution to the task of protecting valuable equipment from damages of fire.

2. Protection of CNC machines

CNC Data Processing Machine – an in-built safety feature incorporated by the manufacturer into every CNC machine during its production.

Comes as Pyrogen CNC machines kit ready to install. The kit consists of the following components:

- 1) Pyrogen fire extinguishing module;
- 2) Fire panel;
- 3) Break Glass;
- 4) Thermal probe detector;
- 5) Strobe;
- 6) Elbow Mounting Unit (optional)



3. Protection of electrical cabinets

- 1) Option 1 – Electrical automatic activation via a detector and a fire panel



- 2) Option 2 – Thermal automatic activation via a T-start autonomous detection and activation device



4. Pyrogen performance in fire situations

1) Escom Substation at Anglo Gold Mine, South Africa – 2002. Fire followed by an electric arc had occurred in a meter panel due to a busbar failure and was extinguished in a few seconds.



2) Quay Crane Control Room, Malaysia – 2003.

