

# FIRE & SAFETY SOLUTIONS Ltd

## INNOVATIVE FIRE SUPPRESSION SOLUTIONS



Fire & Safety  
Solutions Ltd.

**FIREDETEC**  
COMPACT FIRE SUPPRESSION SYSTEMS

# FIRE PROTECTION SYSTEMS FOR THE INSIDE OF HIGH-RISK EQUIPMENT CLOSER TO WHERE A FIRE COULD START



- ★ Simple, Flexible and Compact
- ★ Installs directly inside high-risk equipment
- ★ Automatically detects and suppresses fire as soon as it begins
- ★ Reduces equipment damage and downtime
- ★ Highly dependable: no electricity or moving parts
- ★ Simple and easy to install
- ★ Highly economical



## IDEAL FOR:

### ELECTRICAL CABINETS



### CNC MACHINES



### FUME CABINETS



### COMMERCIAL KITCHENS



### VEHICLE ENGINES



### AND MANY MORE:

DIESEL GENERATORS / WIND  
TURBINES / CONSTRUCTION  
CRANES / PUMPING STATIONS /  
ELEVATORS & ESCALATORS /  
BATTERY CHARGING STATIONS /  
FORKLIFTS / MEDICAL  
LABORATORY EQUIPMENT /  
TEST/PRODUCTION  
EQUIPMENT / CABLE DUCTS /  
TRANSMITTERS

# PROTECTS THE GAP BETWEEN CONVENTIONAL FIRE PROTECTION SYSTEMS



## REDUCES DAMAGE DUE TO FIRE:

- Electrical overheating, short circuits, overloading
- Mechanical friction
- Combustion of oils, chemicals or metals
- Cooking fires
- Vehicle engine fires

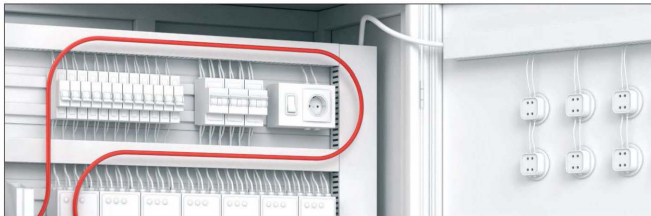
## KEEPS BUSINESS RUNNING:

- Helps minimize work interruption
- Reduces damage to equipment
- Reduces injury
- Avoids sprinkler cleanup / damage



## THE FIREDETEC® DIFFERENCE

Rotarex FireDETEC® systems use a proprietary continuous linear sensor tube that reliably detects and actuates release of the extinguishing agent using pneumatic technology. It is more flexible, space efficient and cost effective versus alternative mechanical or electronic systems.



### 1. Quick & Easy installation inside equipment - closer to where fires starts:

The flexible sensor tubing is easily installed inside the electrical cabinet - directly above the wires and circuitry where a fire could start.

When in service, the tubing is pressurized with dry nitrogen to 16 bar. The dynamics of pressurization make the tubing more reactive to heat.

### 2. Quick detection:

If a flame-up occurs, the heat of the fire causes the pressurized sensor tube to burst at the hottest spot (approx. 110°C).

### 3. Quick suppression:

The sudden tube depressurization actuates the special pressure differential valve and instantly floods the entire cabinet area with CO<sub>2</sub> extinguishing agent. The fire is quickly suppressed just moments after it began... minimizing damage and downtime.



# FOR YOUR MOST IMPORTANT EQUIPMENT



## PRE-ENGINEERED SYSTEMS

- Pre-engineered for the most common high-risk applications
- Everything in one box
- Choice of CO<sub>2</sub> or HFC 227 ea
- Easy to stock
- Quick & Easy to install



**ELECTRICAL CABINET SYSTEMS**



**CNC MACHINE SYSTEMS**



**FUME CABINET SYSTEMS**



**COMMERCIAL KITCHEN SYSTEMS**



**VEHICLE ENGINE SYSTEMS**

FireDETEC® is designed and manufactured by the Rotarex Firetec division – the world leader in valves for the fixed installation and fire extinguisher market. Rotarex Firetec engineers invented the IHP and DIMES valve technologies used in the FireDETEC systems. Our products have been successfully proven in over 120 000 installations worldwide.

Rotarex Firetec products are certified to conform to recognized international standards, including:

Approvals apply to specific products and applications. Please ask for more detail.



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