

Defao[®] SERIES...



ELECTRICAL FIRE

PREVENT BEFORE IT SPREADS...



600 Series.. Defao System Detect & Extinguish Fire at Origin

Type-I - Detect & Extinguish
Directly



Type-II - Detect & Extinguish
through Nozzle



INTRODUCTION:

- ⇒ 70–80% of the Fires are caused by Electrical equipment, Distribution panel, Cable galleries, Terminal Board, Cable joints, Power source like battery, Heater & Transformer.
- ⇒ Fire starts as small but grow and spread faster depends on risk area using available flammable materials.
- ⇒ There are certain risk where we may find limitation to fight the fire manually with portable extinguisher. Selecting suitable size of extinguishing system with fire detection tube for automatic Fire Detection & Extinguishing will be one of the possible solution for this limitation.

ABOUT DEFAO SERIES..

Defao series.. Products are installed to detect and extinguish the fire right at the source.



- ⇒ Detection is achieved by Fire Detection Tube which laid in the protected area continuously (Acting as heat detector). Extinguishing agent is discharged through Fire Detection Tube itself or through nozzles as per Type-I or Type-II
- ⇒ Fire extinguishing agent can be FK-5-1-12 / Inert / CO₂ depending on the risk area.

DETECTION METHOD:

- ⇒ Fire Detection Tube is made of a high tech polymer, which is temperature sensitive, bursting at the hottest spot.
- ⇒ Fire Detection Tube is laid in the risk area continuously.
- ⇒ When temperature increases, the pressurized tube will burst at 100 to 120 Deg°C depends on the rate of rise of temperature during the fire. This will initiate direct discharge or through nozzle discharge of extinguishing agent.

FIRE EXTINGUISHING METHODS:

Type-I - Detect & Extinguish Directly

Extinguishing agent is directly discharged through burst tube which acts as nozzle.

Type-II - Detect & Extinguish through Nozzle

When temperature increases, the pressurized tube will burst at 100 to 120 Deg °C depends on the rate of rise of temperature during the fire. When pressure in Fire detection tube is reduced, this actuates the valve of the cylinder to open discharge port. By connecting suitable hose or pipe, extinguishing agent will be uniformly discharged in risk area through nozzle.

For selection of system, you may contact us for Technical Presentation and suitable assistance.

Highlights of this System

No External power is required to Detect & Extinguish

Easy installation & Maintenance

Cost Effective Solution

SUGGESTED APPLICATION:

- **Electrical LT/HT Panels**
 - **Server Racks**
 - **Battery Racks**
 - **UPS Cabinet**
- **Electrical & Electronics panels**
 - **Cable & Cable tray root**
 - **Generator Cabinet**
 - **Unmanned Trench**