



change that doesn't  
cost the earth



**SCHAUENBURG**  
Systems

# TRANSFORMER SUPPRESSION

## FOAM MIST



[www.schauenburg.co.za](http://www.schauenburg.co.za)

## *'protecting high value equipment against fire risk'*

THE I-CAT FIRE SOLUTIONS LOCAL SUPPRESSION SYSTEM (LSS) WAS DESIGNED TO PROTECT TRANSFORMERS AND ASSOCIATED INFRASTRUCTURE.

### THE SYSTEM MAKES USE OF T-ROTOR TECHNOLOGY

This technology is currently the leading misting technology internationally extinguishing all classes of fires by using Foam Mist as the agent. The system creates a fine atomised mist, charged with kinetic energy to penetrate the heat radiation caused by a fire. It leads to gradual cooling without causing thermal shock to the equipment. Telesolv foaming agent is added to the system to prevent any class B fire from spreading when fuel lines or hydraulic lines rupture, causing equipment fires.

### I-PROTECT HEAT SENSITIVE, LINEAR DETECTION TUBING:

Pneumatic, detection tubing is available in activation temperature ranges of 80°C - 110°C and 150°C - 180°C. When used in conjunction with I-CAT Transformer Local Suppression System it offers a highly reliable detection and system activation methodology.



### SYSTEM OBJECTIVES:

- Effective fire detection
- Effective fire suppression
- Reducing down-time and clean-up after activation
- Considering the environment
- Easy installation and operation
- Cost effective maintenance

## 'I-PROTECT detection tubing offers a highly reliable detection system



### SYSTEM PROPERTIES:

- The system is available as:
  - Automatic activation and suppression
  - Manual activation and suppression
- The system can be connected to any fire alarm system
- Operating temperatures: - 30°C - 60°C
- Any type of fire detection can be used with the system

Foam mist as a suppression agent is effective in displacing oxygen through its rapid expansion by coming into contact with the radiated heat from a fire, forming an inert environment. Through its gradual cooling properties, it controls the risk of re-ignition and the spread of a potentially devastating fire. The foam mist prevents thermal shock and poses no threat to hot surface equipment that may crack or damage through rapid cooling. The systems have a Class A, B and C classification.

## 'I-CAT LOCALISED SUPPRESSION SYSTEMS

*can be customized to fit specific requirements'*

### USE AND BENEFITS

The **TRANSFORMER LSS** is designed to improve and save on maintenance costs. Once a system has been activated, it will require a foaming agent and water refill, antibacterial tablet, detection tubing repair and system pressurization with nitrogen. All systems can be pressure tested on site and be placed back into service within minutes. All systems have a recommended service interval of 6 months or 1000 hours as stipulated by NFPA 17a.



### APPROVED DISTRIBUTOR DETAILS



**SCHAUBENBURG**  
Systems

**Tel** +27 (11) 974-0006  
**Fax** +27 (11) 974-0078  
**Email** sales@schauenburg.co.za  
**Web** www.schauenburg.co.za

**Physical Address**  
26 Spartan Road  
Spartan Ext 21  
Kempton Park  
1619



[WWW.I-CAT.CO.ZA](http://WWW.I-CAT.CO.ZA)

