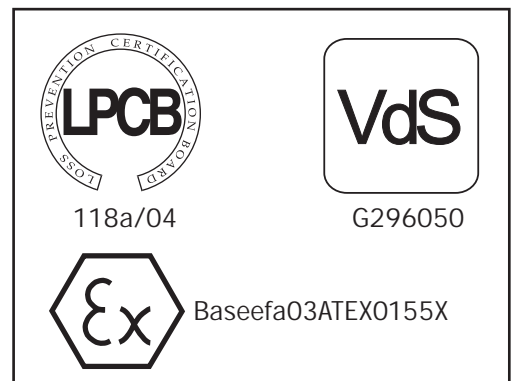


# INTRINSICALLY SAFE CONVENTIONAL RATE OF RISE TEMPERATURE DETECTOR MODEL 5451EIS

## FEATURES:

- Sleek low profile design
- Low current draw
- Remote LED option
- Simple plug-in installation
- Compatible with standard B401 mounting base
- Built-in test switch
- Tamper-resistant
- Suitable for use in Zone 0
- Approved for use with Zener safety barriers or galvanic isolators
- BASEEFA approval to EEX ia IIC T5
- Tested and approved to EN54-5, grade 1

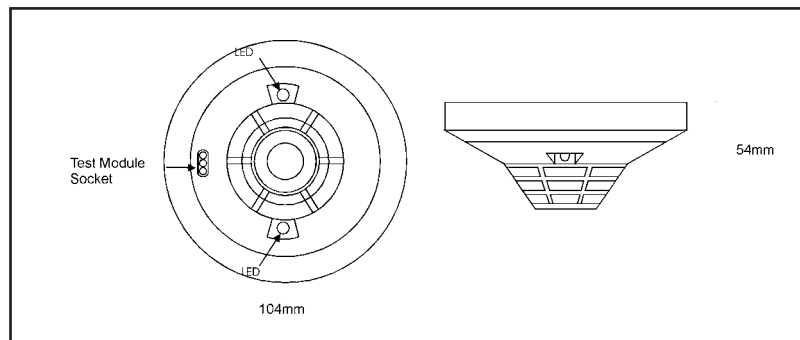


## DESCRIPTION:

Model 5451EIS is an intrinsically safe rate of rise detector with fixed temperature alarm. It uses state-of-the-art dual thermistor technology to provide maximum sensitivity. This detector is designed to afford open area protection and is for use in hazardous areas where potentially explosive atmospheres are likely to arise (confirm classification of equipment required with your responsible authority). Model 5451EIS detectors are designed to be used with compatible panels only.

Each detector has remote LED annunciator capability as well as two LEDs to provide a local visual indication of detector status. Once the detector senses a fire, it latches in alarm and remains in this condition until it is reset by a momentary power interruption.

Model 5451EIS rate of rise detectors include a tamper feature that prevents removal from their mounting base (if enabled) without the use of a tool. In addition, these detectors can be easily tested by activating an internal reed switch with a test magnet.



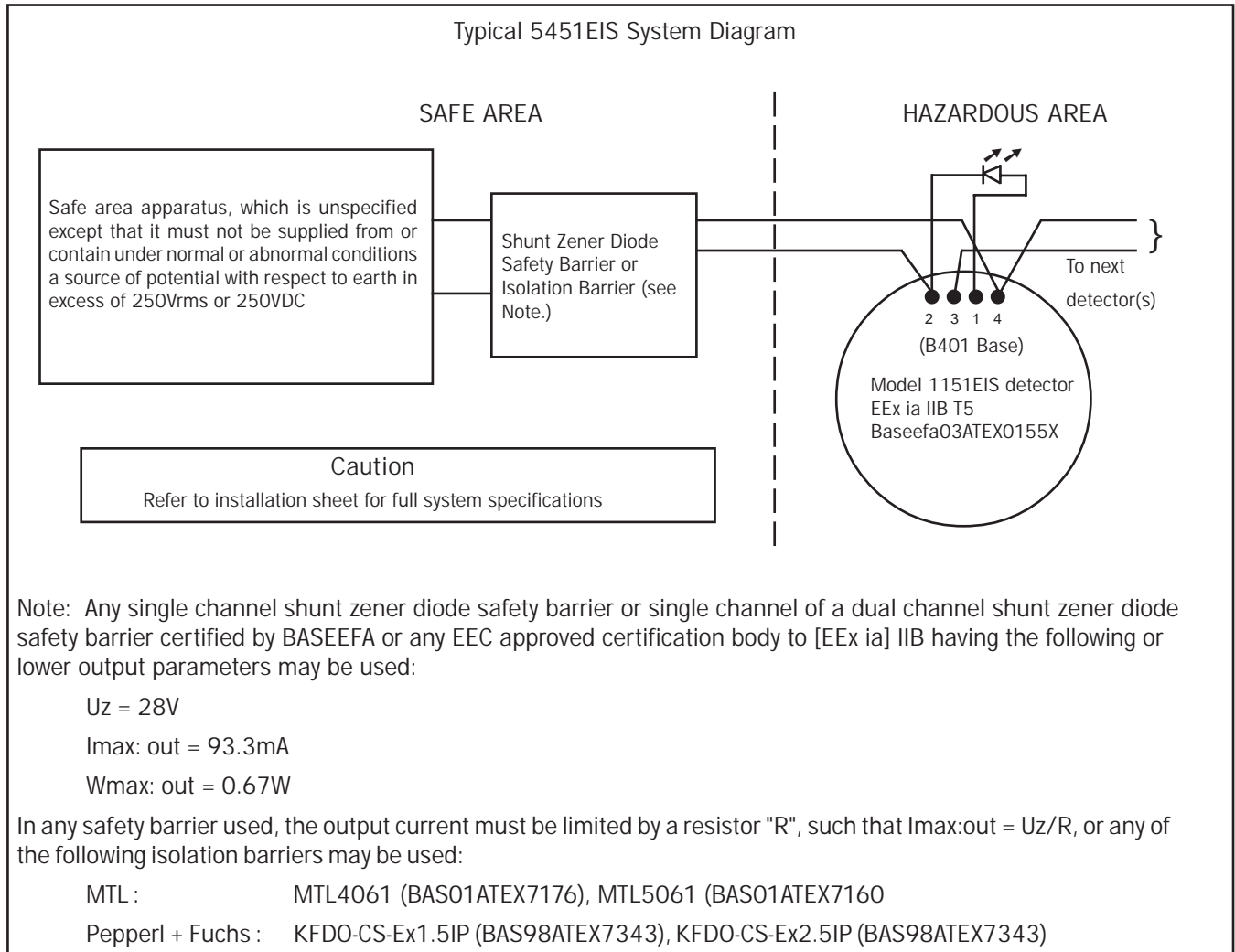
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# INTRINSICALLY SAFE CONVENTIONAL RATE OF RISE TEMPERATURE DETECTOR MODEL 5451EIS



## SPECIFICATIONS

### Electrical

Operating Voltage: 15 to 32VDC  
 Standby Current (maximum): 100µA at 24VDC  
 Latching alarm reset by momentary power interruption

### Environmental

Operating Temperature Range: -10°C to 43°C  
 Sensitivity: 60°C  
 Operating Humidity Range: 10% to 93% Relative Humidity  
 IP Ratings: On application  
 Intrinsic Safety Rating: EEx ia IIB T5

### Mechanical

Height: 54mm  
 Diameter: 104mm  
 Weight: 80g (excluding base)  
 Product Range  
 Compatible bases: B401, B401DG