



## TX6221 FLAME AND SPARK SENSOR

**Rapid response  
infra-red flame sensing  
for enclosed locations  
and ducts.**

**Responds to flames and  
sparks invisible to the  
eye – even reflected  
radiation.**

**Flame-flicker  
technology to  
discriminate between  
genuine flames and  
background sources of  
infra-red.**



**INSTANTANEOUS RESPONSE TO  
THE PRESENCE OF FLAMES OR  
SPURIOUS SPARKS IN DUCTS,  
HOPPERS AND DUST  
EXTRACTION SYSTEMS.**

- **Responds to all types of flames  
and sparks.**
- **Flame frequency recognition.**
- **Long life, high stability, IR  
sensing cells.**
- **Penetrates mist, dust, ice and  
moisture.**
- **Responds to reflected radiation.**

### *Technical Details*

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*Spectral Response:* 1µm...1.5µm.

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*Flicker Frequency:* 3...15Hz.

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*Response Time:* 0.1 second.

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*Temperature Limits:* -10°C...55°C.

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*Supply Current:* Normal: 0.5mA.  
Flame 20mA.

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*Output Contacts:* 125V ac, 1 Amp.  
1 normally open (flame).

● **Extraction systems, filtration systems, bale openers, textile and wood-working machinery.**

1 normally open (fault).

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*Supply Voltage:* 24V dc.

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*Material:* Stainless steel.

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*Housing:* Stainless steel reinforced polycarbonate.

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*Protection Classification:* IP66.

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*Ex Certification:* EEx ia IIC T4.

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