RECEPTOR - DATASHEET

CD RANGE of FIRE DETECTORS

OVERVIEW

With a wide operating voltage and advanced electronic technology, this range provides a reliable platform for a wide range of building types. Offering Optical and Ionisation Smoke detectors and a broad range of heat sensing detector, all fitting onto standard bases, this gives the installer and the client to widest choice and ongoing flexibility.

- Proven detection design approved by LPCB to EN54 standards
- Range of bases available with electronics free and relay base options
- Standard version LED lit only in alarm (pictured)
- Option for version with LED flashes in quiescent mode
- Can be used on security systems down to 10Vdc
- Designed to meet approved bodies worldwide
- Reliable performance
- Base compatible
- Large aperture in base for installers
- Multi-sensor types available

CD RANGE of Fire Detectors Benefits and Technical Information

Detector Types and Benefits
Ionisation Smoke Detector sensing a reaction in the ionised air particles, typically a clean burning, but little smoke fire. An *integrating ionisation detector*, suitable for use in areas where transient high levels of smoke may be expected, is also available. Optical Smoke Detector - using an internal pulsing technique and a photo-diode at an obtuse angle as smoke enters the chamber, the light pulse from the LED will be scattered and registered by the photo-diode and the alarm activated. Heat Detectors operates by using a matched pair of thermistors to sense heat. One thermistor is exposed to the ambient temperature, the other is sealed. Normally they register similar temperatures, but, in a fire the temperature recorded by the exposed thermistor will increase rapidly. *Rate of Rise detectors*, designed to detect a fire as the temperature increases, but they also have a fixed upper limit at which the detector will go into alarm. Optional *fixed heat detector* which only changes to an alarm state at a preset temperature.

Technical Information	
Operating Voltage	9 to 33Vdc
Quiescent Currect	20 to 45uA @ 24Vdc
Normal Alarm Current	52mA @ 24Vdc
Operating Temperature	0 to 60°C
Minimum Temperature no icing	-20°C
Relative Humidity	0 to 95% non condensing
Wide Speed	Max 10M/Sec
IP Rating	IP 23
Dimensions Detector only	100Dia x 42D mm
Dimensions Detector fitted in base	100Dia x 50D mm
Product Codes	
Optical Smoke Detector	REC-CD300
Ionisation Smoke Detector	REC-CD200
Integrating Ionisation Smoke Detector	REC-CD210
Heat Detector Rate of Rise 60°C	REC-CD100
Heat Detector Rate of Rise 75°C	REC-CD101
Heat Detector Fixed Temp 90°C	REC-CD103
Diode Base to fit all these detectors	REC-CD001

RECEPTOR LTD Suite 2, Elizabeth House, 73 High Street, Syston, Leicester, LE7 1GQ
Tel 0845 5554 999 Fax 0116 260 5656

Website : www.firefirefire.co.uk