

# Fyreye Conventional Ultra-Violet Flame Detector (FEUV2000)



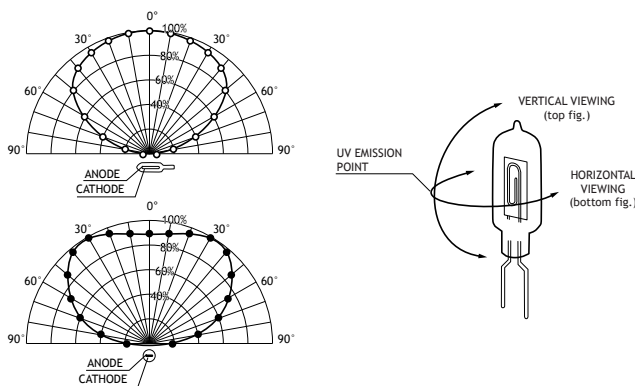
## Description

The Fyreye ultra-violet flame detector is particularly suited to applications where flames can be expected to develop initially rather than smoke. This is typically due to the nature of the materials being protected for instance camera film, computer, audio & video tapes or disks.

The detector is for indoor use only and should not be exposed to spurious sources of UV, such as sparks, uncovered halogen lights, lightening, etc. as these may trigger a false alarm.

Due to the operational nature of flame detectors it is generally recommended to fit just one detector per zone.

## Detector Field of View



## Features

- Low profile shape
- The detector is solar blind and incorporates an electronic filter to eliminate unwanted alarms from naturally occurring phenomena
- Fast response time
- High immunity to electrical noise & RF interference

## Technical Specification

| Model                          | FEUV2000                             |
|--------------------------------|--------------------------------------|
| Part No.                       | 80-045                               |
| Detector Class                 | Ultra Violet Flame Detector          |
| Operating Voltage              | 12-28V DC                            |
| Quiescent Current              | 320µA                                |
| Alarm Current @ 24V DC         | 45-50mA                              |
| Operating Temperature          | 0°C to 45°C                          |
| Minimum Continuous Temperature | 0°C                                  |
| Maximum Humidity               | 95% RH non-condensing                |
| Alarm Condition                | 10 seconds for 30mm flame @ 4 metres |
| Detection Angle                | 120°                                 |
| UV Sensitivity                 | 185-260nm                            |
| Size (with Base)               | 98 x 36mm (98 x 52mm)                |
| Weight (with Base)             | 85g (143g)                           |