

2346/B BEAM DETECTION SET**APPLICATIONS**

The 2346/B is designed for detection of smoke in large spaces such as halls, warehouses, museums, theatres etc., where conventional point detection is more costly or impractical due to height limitations. The compact design, good looks and flush mounting installation allows the unit to be fitted in areas where architectural considerations are important. The 2346/B is suitable for conventional and addressable systems, the latter requiring an interface.

**FEATURES**

- 5 – 100m range, resulting in 1500m² coverage
- Powered directly from the zone with very low stand by current consumption
- Full line continuity options
- Automatic re-calibration adjusts for contamination and changes in atmospheric conditions
- Test Filters
- Approved by LPCB

OPERATION

The 2346/B Infra-Red Beam Smoke Detector consists of an emitter and receiver which may be installed up to 100 metres apart, and with an infra-red beam path width of 15m, enables coverage up to a maximum of 1500m².

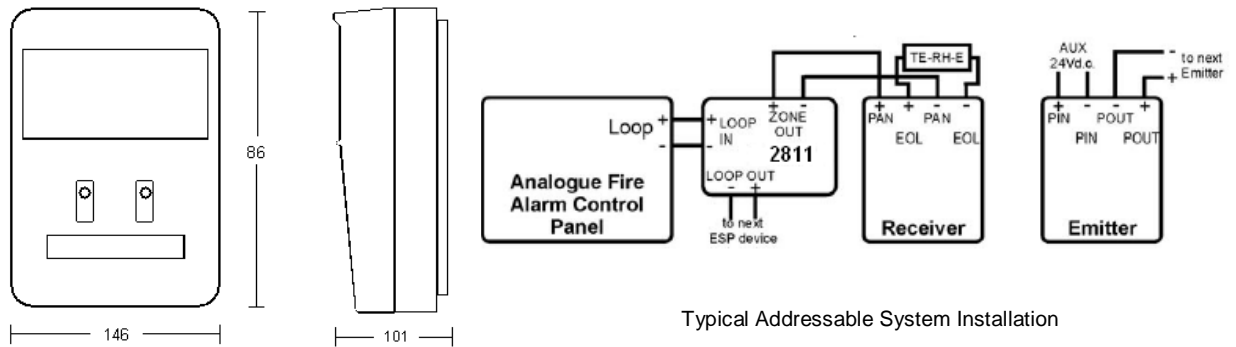
A synchronised infra-red beam is transmitted from the emitter to the receiver. The presence of smoke within the beam path obscures the infra-red signal which at a pre-determined value causes the receiver to trigger a fire alarm.

The emitter and receiver are synchronised to reduce the effect of extraneous interference caused by changes in ambient light levels, sunlight etc.

A fault signal is generated if the receiver becomes totally obscured or the power is lost.

When used on a conventional system the emitter and receiver can be powered directly from the zone or if required the emitter also has the option to be powered from a separate 24 Vd.c. supply. The 2346/B can be used on an addressable fire alarm system via an addressable system interface.

APPROVALS: Designed to meet the requirements of BS5839 Part 5 by The Loss Prevention Council



SPECIFICATION	
Order Code	2346/B
Operating Voltage	15 – 33Vd.c. (Nominal Rating 24Vdc)
Quiescent Current	250 uA
Alarm Current	50 mA
Operating Temperature Range	-10 ⁰ C to +50 ⁰ C
Sensitivity Range	25%, 50%, and 60% obscuration (selectable)
Material	ACS
Colour	Ivory White
Weight (g)	685g (Receiver), 600g (Emitter)
Dimensions	145 H x 86 W x 101 D (Receiver) 145 H x 86 W X 101 D (Emitter)
Maximum Humidity	95% RH – non condensing (at 40 ⁰ C)