



XP95

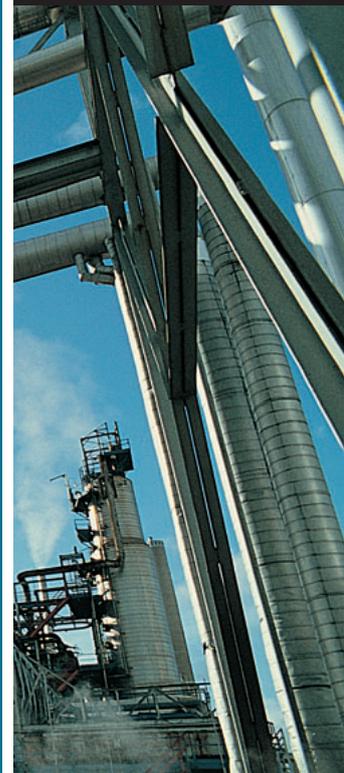
# INTRINSICALLY SAFE

ANALOGUE ADDRESSABLE  
SMOKE & HEAT DETECTORS

*BASEEFA approved E EX ia IIC T5*

Giving 24 hour protection and split second response, XP95 has achieved global recognition as a premier range of detectors.

XP95 Intrinsically Safe detectors feature all the benefits of the standard range, but are developed specifically for use in hazardous areas.



# INTRINSICALLY SAFE ANALOGUE ADDRESSABLE SMOKE & HEAT DETECTORS

## BASEEFA approved E EX ia IIC T5

### XP95 I.S. IONISATION SMOKE DETECTOR

In this type of detector the voltage developed by current flowing in the sensing chamber is measured and transmitted, in digital form, to the control equipment which instigates a pre-alarm or fire alarm when smoke density reaches pre-set levels.

**Part no: 55000-540**

### XP95 I.S. OPTICAL SMOKE DETECTOR

The XP95 I.S. optical smoke detector has an internal pulsing IR LED and a photo-diode, which, in clean air conditions, receives no light from the IR LED and produces a corresponding analogue signal. When smoke enters the chamber it scatters light onto the photo-diode, increasing the signal transmitted to control equipment.

**Part no: 55000-640**

### XP95 I.S. HEAT DETECTOR

Heat is measured by a single thermistor network which gives a voltage output proportional to the external air temperature. The signal is processed and transmitted to control equipment. The detector has a low air-flow resistant case for good contact between the thermistor and the surrounding air.

**Part no: 55000-440**



### XP95 I.S. BASE

The mounting base for I.S. detectors has been designed to accept only I.S. products, but the XPERT address card is identical with standard XPERT cards.

*Note: standard bases will not accept I.S. detectors and any attempt to use standard bases will invalidate the approval.*

**Base part no: 45681-215**

**XPERT card part no: 38531-77**

### XP95 I.S. MANUAL CALL POINT

The I.S. manual call point is based on a weatherproof version of a commercially available device. It features an "interrupt" facility to provide fast response to an alarm.

**Part no: 55000-940**

More call points have now been added to the range. Please contact Apollo for details.

### XP95 PROTOCOL TRANSLATOR

The protocol translator is installed in the safe area immediately adjacent to the safety barrier and ensures integrity of communication between control equipment and field devices within the limits of BASEEFA approvals.

**Part no: 55000-855 (single channel)**

**55000-856 (dual channel)**



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