

International Safety Technology Limited



INTRINSICALLY SAFE
ANALOGUE ADDRESSABLE
SMOKE & HEAT DETECTORS
BASIEFA approved E EX ia IIC T5

International Safety Technology Limited
692775
11, Moor Road, Broadstone,
Dorset, BH18 8AZ
United Kingdom

Tel: +44 1202
Fax: +44 1202 605588
email sales@ist-limited.com
web www.ist-limited.com

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 Intrinsically Safe (I.S.) detectors are a development of the well-established analogue addressable range of detectors from Apollo. The addresses of XP95 detectors are set by means of the patented XPERT card. By using this card, all the address data is held in the base without using electronic parts that might be damaged before commissioning.

Information on standard XP95 detectors is available from Apollo as follows:

- XP95 Single-page leaflet PP1038
- XP95 Sales Brochure PP1040
- XP95 Engineering Product Guide PP1039

An Engineering Product Guide for the XP95 I.S. range, PP1095, is also available on request.



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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