

Fire Detectors & Monitors

# Range of Bases & Mounting Accessories





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All detectors can be locked into their bases using an Apollo 1.5mm hexagonal driver, part number: 29600-095.

All bases are supplied with installation instructions and wiring diagrams as appropriate.

All bases that include electronics are CE marked.

*Information in this guide is given in good faith, but Apollo Fire Detectors Ltd cannot be held responsible for any omissions or errors. The company reserves the right to change specifications of products at any time and without prior notice.*

## 1. XP95 E-Z Fit Base

**Part number: 45681-250 (Approved by Underwriters Laboratories in the USA)**

The E-Z Fit base is an ultra low profile 6<sup>1</sup>/<sub>4</sub>in (150mm) mounting base for XP95 and XP95A smoke and heat detectors that can be fitted to mounting boxes up to 4in (100mm) in size. It offers a very high degree of protection against unauthorised removal of detectors. The hinged covers, which conceal the screws, are locked into place by the detector, which in turn is locked into the base with the standard locking screw. **▶ PP2065**

## 2. XP95 Intrinsically Safe Base

**Part number: 45681-215**

The I.S. base is not identical to the XP95 standard base. This ensures that standard detectors cannot inadvertently be fitted to an intrinsically safe system. Like the Series 60 I.S. base, it is considered part of the detector and is printed with the legend 'PART OF BASEEFA CERTIFIED DETECTOR.' Use of any other base will invalidate the approval. **▶ PP1095**

## 3. XP95 Low Profile Sounder

**Part number: 45681-261**

A loop-powered sounder, upon which an XP95 base and detector can be mounted. Activated by the control panel, the sounder

has an output of 85dB(A) at 1 metre with a current consumption of only 3mA. The sounder may be operated in two modes, pulsed or continuous.

This sounder is also available with either a red cap (part no. 55000-260) or a white cap (part no. 55000-259) for use as a stand-alone sounder. **▶ PP2031**

## 4. XP95 Low Power Relay Base

**Part number: 45681-242**

The relay base incorporates a low power relay to control field equipment such as automatic door closers. The base gives a set of voltage-free relay contacts controlled by the remote output of an XP95 detector and draws negligible current. **▶ PP2043**

## 5&8. XP95 Base

**Part number: 45681-210**

**45681-361 (Black version)**

The base has been designed to enable the detector to be fitted without the need for any force. Like the Series 60 base, it has a "one way only" fit.

By means of a unique, patented 'XPERT card', the address information is held in the base while keeping it entirely free from electronic parts. This coded plastic card is inserted into the base, so that the address remains the same if a detector is replaced, for example for servicing purposes. **▶ PP1039 or PP1040**

**▶ For more information please refer to the relevant Apollo publication (where available).**

# XP95

## 6. XP95 Isolator Base

**Part number: 45681-211**

The base is designed to accept XP95 isolators only. This ensures that XP95 detectors cannot be fitted to isolator bases in error. The isolator base has only three terminals and an earth connection. ▶ **PP1039**

## 7. XP95 20D Isolating Base

**Part number: 45681-321**

The isolating base senses and isolates short circuit faults on XP95 loops and spurs. The base is loop-powered, polarity sensitive and accepts the XPERT card to set the associated detector address.

In short circuit conditions, the integral yellow LED is illuminated. The detector associated with the base remains active under short circuit conditions. Voltage sensing is continuous so that power and signals to the affected section are restored automatically when the fault is cleared.

Up to twenty devices (detectors and XP95 interface units) may be installed between isolating bases provided that their total switch on surge current does not exceed 50mA at 17.5 volts. ▶ **PP2039 and PP1039**

## 9. Series 60 Zener Base

**Part number: 45681-350**

Designed for use in systems that incorporate voltage monitoring for detector head removal sensing. If a detector is removed, the zener diode clamps the supply line at 16-18V, depending on the load, so maintaining the operation of manual call points. ▶ **PP2022**

## 10. Series 60 Marine Base

**Part number: 45681-200MAR**

(Note: when ordering the marine base, please be sure to quote the full number, including the suffix 'MAR')

The base is designed for use with Series 60 marine detectors and is distinguishable from the standard base by the addition of a varistor. The base is approved by Lloyds Register of Shipping, Germanischer Lloyd, American Bureau of Shipping, Det Norske Veritas, Bureau Veritas, and the Marine and Coastguard Agency. ▶ **PP1099**

## 11. Series 60 E-Z Fit Base

**Part number: 45681-251 (Approved by Underwriters Laboratories in the USA)  
45681-252 (with flashing red LED) (UL approval pending)**

An ultra low profile 6¼in (150mm) mounting base for Series 60 and Series 60A smoke and heat detectors which can be fitted to mounting boxes up to 4in (100mm) in size.

The E-Z Fit base offers a very high degree of protection against unauthorised removal of detectors. The hinged covers, which conceal the mounting screws, are locked into place by the detector, which in turn is locked into the base by the standard locking screw. ▶ **PP2064**

# series 60




## 12. Series 60 Base

**Part number: 45681-200**  
45681-200UL (Approved by Underwriters Laboratories in the USA)

The Series 60 base has been designed to enable detectors to be fitted without the need of force - particularly useful when fitting to suspended ceilings. All Series 60 bases have a "one way only" fit.

The detectors are polarity insensitive and the bases are easy to wire. All bases have an earth connector and contain no electronic parts.

Also used as a standard base for the Series 65 range.  **PP1050 or PP1049**

## 13. Series 60 Intrinsically Safe Base

**Part number: 45681-207**

The I.S base is designed for use with the Series 60 I.S range of detectors. For certification purposes, the bases are considered part of the detector and are marked with the legend 'PART OF BASEEFA CERTIFIED DETECTOR.' Use of any other base will invalidate the approval.

 **PP2028**

*Note: Relay bases are not suitable for use in systems where it is specified or required that operation of the auxiliary system shall be fail safe.*

## 14. Series 60 Low Profile Relay Base

**Part number: 45681-360**

The relay base incorporates a single-pole voltage-free changeover (form C) contact for switching ancillary equipment. The contact rating is 50V 1A (max).

When the detector changes to the alarm state, the relay is energised, causing the contact to change state. The contact will remain in this condition until the detector is reset.

## 15. Series 60 Diode Base

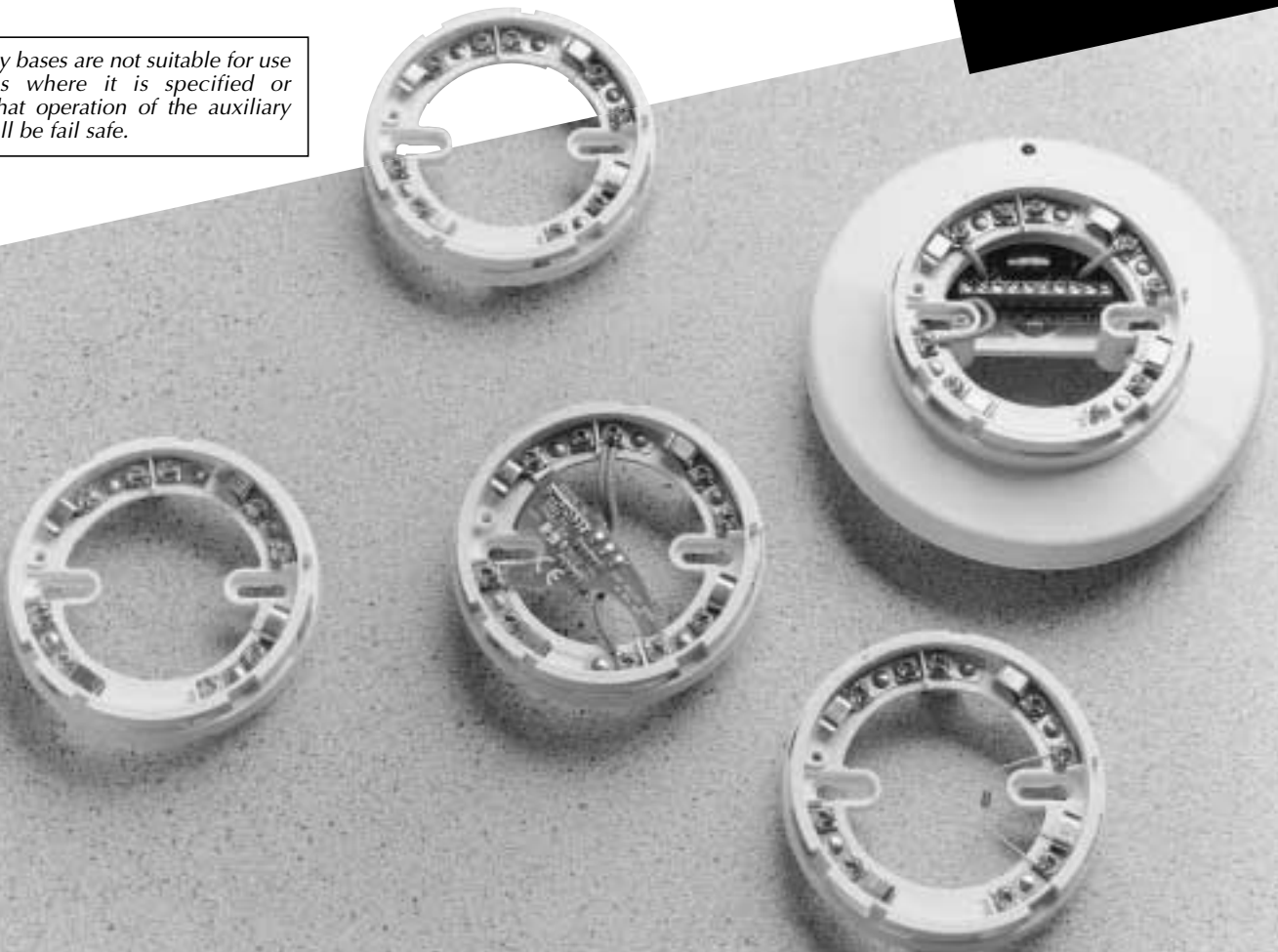
**Part number: 45681-201**

The diode base is designed for use with conventional systems that have manual call points and detector bases on the same circuit and where correct functioning of call points is required even when one or more detector heads have been removed. The base is fitted with a schottky diode on the "L1 IN" and "L1 OUT" wiring terminals. This base can only be used with compatible control equipment.

## 16. Series 60 6" Relay Base

**Part number: 45681-227**

A large diameter base assembly comprising a backplate which is fixed to the ceiling, a standard base and a 'skirt' to provide a visually pleasing finish. The base contains a relay with two sets of voltage-free changeover contacts (form C) and may be used as a 2-wire or 4-wire base. This base is UL listed.



# XP95

## 17. Series 60/XP95 Backplate

**Part number:** 45681-233

An accessory which provides a high degree of protection against the ingress of water or dust into the back of the detector mounted directly to a mounting box. Holes are provided for fixing screws; two knockouts cater for European standard fixing entries. When the backplate is used with an XP95 device, the number tab of the XPERT card must be snapped off and placed in one of the knockout slots provided in the backplate.

## 18. Detector Base Adaptors

**Series 30 to Series 60 Adaptor**

**Part Number:** 45681-237

**Series 30 to Series 60 Adaptor I.S.**

**Part Number:** 45681-240

**Series 90 to XP95 Adaptor.**

**Part Number:** 45681-238

Three base adaptors are available that allow Series 60 or XP95 detectors to be fitted to existing Series 30 or Series 90 systems. The adaptor and detector become one unit which is inserted into the existing base, eliminating the need for rewiring.

## 19. Series 60/XP95 Conduit Box

**Part number:** 45681-204

An inexpensive and versatile accessory for surface mounting Apollo bases. The box has knockouts to accept M16 or M20 cable glands, conduit or mini-trunking.

The box is moulded in the same white polycarbonate material as the bases and can be installed using either standard or plasterboard screws. Self tapping screws are included to fit the detector base to the conduit box.

## 20. Series 60 Module Base

**Part number:** 38531-822

A moulding that can be secured to a standard Series 60 base to enable customer fitting of additional componentry. The base has a useful interior depth of 5mm with four studs to mount a PCB.

## 21. Deckhead Mounting Box

**Part number:**

**29600-131 (PG16 cable entries - Aluminium)**

**29600-139 (M20 cable entries - Aluminium)**

**29600-196 (Polycarbonate moulding)**

The deckhead mounting box is a robust back box, made from either aluminium or polycarbonate, for use with standard 100mm detector bases. Fixing points are external, enabling a seal to be maintained and therefore providing protection against ingress of dust or water into the rear of the base. There are three pre-threaded cable entry ports, arranged as a 'Y' on the polycarbonate box (see above photo) and as a 'T' on the aluminium boxes. These boxes are particularly useful when securing bases to rough surfaces or in areas where there may be dripping water.

▶ PP2040

## 22. AlarmSense Base

**Part number:** 45681-244

AlarmSense is a range of conventional detection and alarm products specially designed to be connected to the same pair of wires. The mounting bases contains a PCB to detect detector head removal. AlarmSense® is not compatible with other ranges.

▶ PP2067

## Series 65 Relay Bases

Series 65 relay bases are for use with control units using 4-wire detector supply

and alarm initiating circuits. Where local codes allow, they may also be used in 2 and 4-wire circuits to provide volt-free control signals to auxiliary systems such as an automatic door closer.

▶ PP2053

## 23. Series 65 Standard Relay Base

**Part number:** 45681-245

For use only with the Series 65 wide operating voltage range of detectors. The base provides one set of voltage-free, changeover (form C) contacts that change state when the detector signals an alarm. Also available:

**Series 65 Auxiliary Relay Base.**

**Part number:** 45681-246

**Series 65 EOL (end-of-line) Relay Base.**

**Part number:** 45681-247 for circuits with a

**supply voltage between 9 and 18 volts DC**

**Part number:** 45681-248 for circuits with a

**supply voltage between 16 and 33 volts DC.**

▶ PP2053

## 24. AlarmSense Sounder

**Part number:** 45681-259

A sounder upon which an AlarmSense base and detector can be mounted. The sounder has four tones, selectable by a DIL switch and two volume settings 85dB and 92dB.

Two stand alone variants are also available; part no. 55000-256 (red cover) and part no. 55000-255 (white cover).

AlarmSense sounders are designed for use only with AlarmSense® systems.

▶ PP2067

## 25. Series 65 Base

**Part number:** 45681-200 (no photo)

The Series 65 base is identical to the Series 60 base and therefore has the same part number. ▶ PP2053

# AlarmSense

# series 65

Further information on Apollo detector ranges and the bases and accessories included in this brochure is available. Please quote the relevant PP number when ordering. All standard literature is available from Apollo as well as our sister companies; Apollo GmbH and Air Products and Controls in the USA. (Addresses are given below)

Product Range	Publication Number	Publication Type
Series 60 Range	PP1049	General Sales Brochure
	PP1050	Engineering Product Guide
Series 60 E-Z-Fit Base	PP2064	PIN Sheet
Series 60 Marine Range	PP1099	PIN Sheet
Series 60 I.S Range	PP2028	PIN Sheet
Deckhead Mounting Box	PP2040	PIN Sheet
Series 65 Range	PP2053	General Sales Brochure
Series 60 Low Voltage Range (UK Only)	PP2077	Sales Leaflet
AlarmSense Range	PP2067	Sales Leaflet
XP95 Range	PP1039	Engineering Product Guide
	PP1040	General Sales Brochure
XP95 20D Isolating Base	PP2039	PIN Sheet
XP95 Loop Powered Sounders	PP2031	Sales Leaflet
XP95 Intrinsically Safe Range	PP1095	Engineering Product Guide
XP95 Low Power Relay Base	PP2043	PIN Sheet
RDM Range	PP2034	Engineering Product Guide
All	PP2055	A Guide to the Care, Maintenance and Servicing of Apollo Products
Discovery Range	PP2029	Sales Leaflet
	PP2052	Engineering Product Guide
<b>The following literature is also available from our sister company Apollo GmbH.</b>		
Series 60 Range (German Language version)	PP1077	Sales Leaflet
	PP1079	Engineering Product Guide
XP95 Range (German Language version)	PP1078	Sales Leaflet
	PP1086	Engineering Product Guide
Discovery Range (German Language version)	PP2059	Sales Leaflet
<b>The following literature is also available from our sister company Air Products and Controls Inc.</b>		
Series 60A Range (UL listed products)	PP1067	Engineering Product Guide
XP95A Range (UL listed products)	PP1068	Engineering Product Guide



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Quality Systems Certificate No 010  
Assessed to ISO 9001



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