

## Technical Data XP95A

Detector Model No.	55000-450	55000-550/555*	55000-650	55000-886
Detector Type	Heat	Ionization	Photoelectric	Multisensor
Working Voltage	17-28V dc	17-28V dc	17-28V dc	17-28V dc
Modulation Voltage (V peak to peak)	5-9V	5-9V	5-9V	5-9V
Maximum Alarm Current LED on	2.5mA	2.5mA	4.5mA	3.5mA
Surge Current	1.0mA	1.0mA	1.0mA	1.0mA
Supervisory Current	250µA	280µA	340µA	500µA
Heat Element Rating	131°F (55°C)	N/A	N/A	N/A
Compatibility Identifier	55000-450	55000-550/555*	55000-650	55000-886
Test Method	•Hair dryer	•Home safeguard •Gemini 501	•Home safeguard •Gemini 501	•Home safeguard •Gemini 501
Control Panel	Refer to: <a href="http://www.apollo-fire.co.uk">www.apollo-fire.co.uk</a> for compatible panels.			

\*Please note 55000-555 is ULC listed only.

## Technical Data Discovery

Detector Model No.	58000-450	58000-550	58000-650	58000-750
Detector Type	Heat	Ionization	Photoelectric	Multisensor
Working Voltage	17-28V dc	17-28V dc	17-28V dc	17-28V dc
Modulation Voltage (V peak to peak)	5-9V dc	5-9V dc	5-9V dc	5-9V dc
Maximum Alarm Current LED on	3.5mA	3.5mA	3.5mA	3.5mA
Surge Current	1.0mA	1.0mA	1.0mA	1.0mA
Supervisory Current	500µA	400µA	500µA	500µA
Heat Element Rating	135°F (57°C) -210°F (99°C)	N/A	N/A	135°F (57°C) (Mode 5)
Compatibility Identifier	58000-450	58000-550	58000-650	58000-750
Test Method	•Hair dryer	•Home safeguard •Sensitivity test •No Climb •Gemini 501	•Home safeguard •Sensitivity test •No Climb •Gemini 501	•Home safeguard •Sensitivity test •No Climb •Gemini 501 •Hair dryer (heat sensor only)
Control Panel	Refer to: <a href="http://www.apollo-fire.co.uk">www.apollo-fire.co.uk</a> for compatible panels.			



## XP95A and Discovery Smoke & Heat Detectors Installation Instructions

### General

These instructions apply to Apollo detector base 45681-210, to variants of this base and to the associated ranges of UL listed XP95A and Discovery detectors which are listed overleaf.

### Installation

These products must be installed in accordance with the applicable NFPA standards, local codes and jurisdictional authorities. Failure to follow these instructions may result in failure of the detectors to report an alarm condition. Apollo Fire Detectors Limited is not responsible for detectors which are improperly installed, maintained and tested.

The FM approval for these initiating devices does not include or imply approval of the control unit to which it may be connected. In order to maintain an FM approved system, these initiating devices must be listed with an FM approved compatible control panel. For more information on RTI classification refer to FM class standard 3210.

Before installing these products check the continuity, polarity and insulation resistance of all wiring. Check that installation is in accordance with the fire system drawings and conforms to all applicable local codes such as NFPA 72.

Use 3" octagonal box for direct connection to the base. 4" octagonal and 4" square boxes may be used with proper UL listed mounting brackets. When mounting on a wall, install 4" to 12" from the ceiling. Use 3M Weatherban 606 Non-Flammable sealing compound (or equivalent) to seal field wiring conduit opening in the electrical box, this will reduce the stack effect. Secure the base to the electrical box with appropriate screws. **Do not overtighten the screws.** The raised mark on the side of the base indicates the direction of the detector LED when fitted. Connect the shield, if required, to the SHIELD terminal on the base. For information on how to set the address of each device correctly refer to the section 'Address Setting' overleaf.

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Apollo Fire Detectors Ltd, 36 Brookside Road, Havant, Hants, PO9 1JR, UK  
Tel +44 (0)23 9249 2412 Fax +44 (0)23 9249 2754  
Email: [techsales@apollo-fire.com](mailto:techsales@apollo-fire.com) Website: [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk)

In the USA: Apollo America Inc., 25 Corporate Drive, Auburn Hills, Michigan, 48326, USA  
Tel: (248) 332-3900 Fax: (248) 692-0888  
Email: [info.us@apollo-fire.com](mailto:info.us@apollo-fire.com) Website: [www.apollo-fire.com](http://www.apollo-fire.com)

## Wiring

CAUTION: Do not use looped wire under wiring terminals. Break wire run to provide supervision of connections. Terminals L1 and L2 are polarity insensitive.

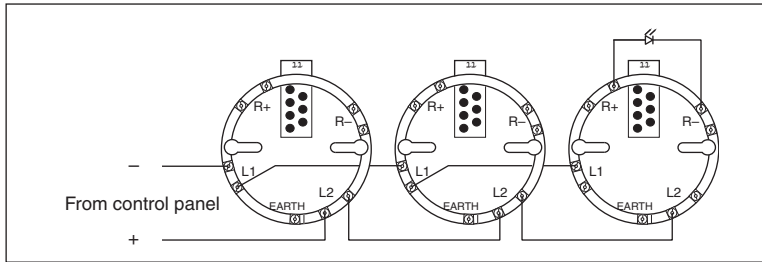


Fig. 1- Wiring diagram of XP95A/Discovery loop with single remote indicator

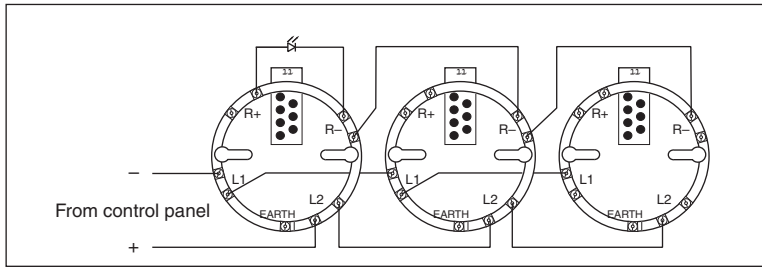


Fig. 2- Wiring diagram of XP95A/Discovery loop with common remote indicator

The above instructions cover the following base models:

- 45681-210 4" mounting base
- 45681-225 6" mounting base
- 45681-234 6" low profile mounting base
- 45681-250 E-Z Fit 6" mounting base

## Address Setting

Refer to the table below for the complete list of address settings. Select the desired address and remove the pips indicated in black. Remove pips with a small screwdriver.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126									