

Technical Data Discovery

Detector model no	7254-FBD-8450	7254-FBD-8550	7254-FBD-8650	7254-FBD-8750
Detector type	Heat	Ionization	Photoelectric	Multisensor
Working voltage (V DC)	17 - 28	17 - 28	17 - 28	17 - 28
Modulation voltage (V peak to peak)	5 - 9	5 - 9	5 - 9	5 - 9
Maximum alarm current (mA)	3.4	3.5	3.4	3.5
Surge current (mA)	1.0	0.5	1.0	1.0
Supervisory current (µA)	500	500	400	500
Heat element rating	135°F - 210°F	N/A	N/A	135°F (Mode 5)
Compatibility identifier	58000-450	58000-550	58000-650	58000-750
Test method	•Hair dryer	•Home safe-guard •Sensitivity test •No Climb •Gemini 501	•Home safe-guard •Sensitivity test •No Climb •Gemini 501	•Home safe-guard •Sensitivity test •No Climb •Gemini 501 •Hair dryer (heat sensor only)
Control panel	Refer to www.apollo-fire.co.uk for compatible panels			

FB-AP Series®

FB-AP Series Smoke & Heat Detectors Installation Instructions

General

These instructions apply to FB-AP Series detector base 7254-FBD-4210, 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. FireBus is not responsible for detectors which are improperly installed, maintained and tested.

Before installing these products check the continuity, polarity and insulation resistance of all wiring. Check that siting 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.

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.

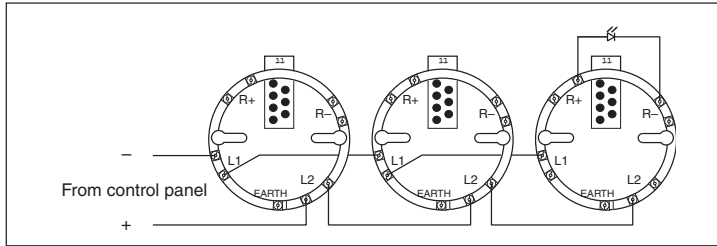


Fig 1 Wiring diagram of FB-AP Series loop with one remote indicator

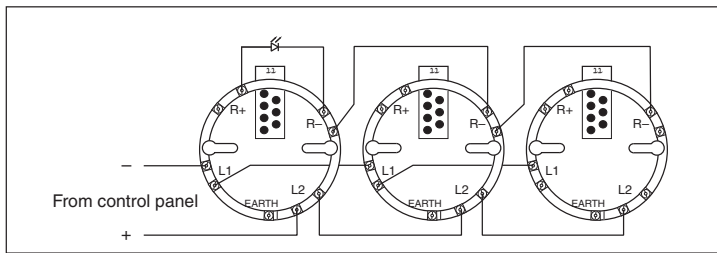


Fig 2 Wiring diagram of FB-AP Series loop with common remote indicator

The above instructions cover the following base models:

- 7254-FBD-4210 4" mounting base
- 7254-FBD-4225 6" mounting base
- 7254-FBD-4234 6" low profile mounting base
- 7254-FBD-4250 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									