

Technical Data

Detector model no	IS800	IS801	IS802	IS803
Detector type	Heat	Ionization	Photoelectric	Multisensor
Working voltage	17–28V dc	17–28V dc	17–28V dc	17–28V dc
Modulation voltage	5–9V	5–9V	5–9V	5–9V
Maximum alarm current	3.4mA	3.5mA	3.4mA	3.5mA
Surge current	1.0mA	0.5mA	1.0mA	1.0mA
Supervisory current	500µA	500µA	400µA	500µA
Heat element rating	Mode 1 129°F (54°C) Mode 5 212°F (100°C)	N/A	N/A	Mode 5 135°F (57°C)
Control panel	Fire Spy™ Tracker 8000			
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)
Installation temperature	Minimum 32°F (0°C) Maximum at least 20°F (11°C) below rating	Minimum 32°F (0°C) Maximum 100°F (38°C)	Minimum 32°F (0°C) Maximum 100°F (38°C)	Mode 1-4 Minimum 32°F (0°C) Maximum 100°F (38°C) Mode 5 Minimum 32°F Maximum at least 20°F (11°C) below rating



I-Spy Smoke & Heat Detectors Installation Instructions

General

These instructions apply to the I-Spy detector base IS804, to variants of this base and to the associated ranges of UL listed I-Spy 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. Harrington Signal Inc. 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 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 terminals L1 and L2. Break wire run to provide supervision of connections. Terminals L1 and L2 are polarity insensitive.

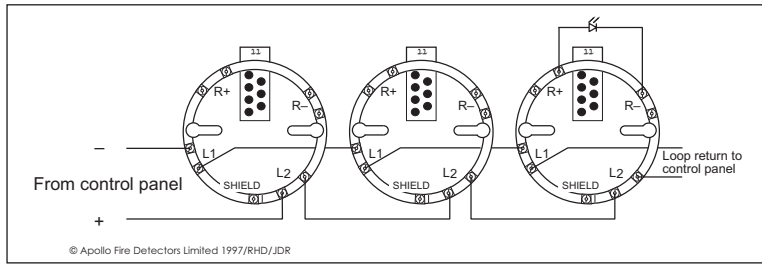


Fig 1 Wiring diagram of I-Spy loop with one remote indicator

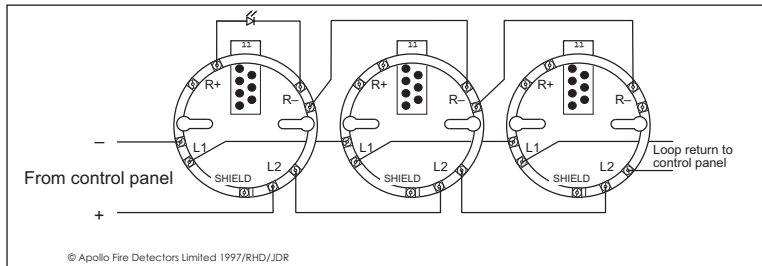


Fig 2 Wiring diagram of I-Spy loop with common remote indicator

The above instructions cover the following base models:

- IS804 Standard base
- IS806 6" low profile base
- IS809 6" E-Z Fit 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									