

SPECIFICATION

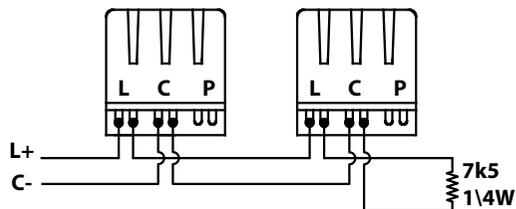
Model name	OKB3
Detection methods	Scattering Light
Material	Polycarbonate
Colour	Black
Power Source	Between L and C DC19V (17 ~ 21V), 5mA Between P and C Max. DC12V 100mA resistance load
Consumption Current	50µA MAX (20V imposed)
Sensitivity	4%/m
Allowable Temp. range	-10°C ~ 65°C
Max. Detector Quantity	CPC-3 20 units CPC-3-24 20 units
Size	W40 x L40 x H45
Weight	55g (main body 38.5g, base plate 16.5g)

New function of OKB3

1. Automatic sensitivity adjustment against dirt for detection part.
- 2 OKB3 is replaceable with OKB/OIB. (base plate is common.)

TERMINAL CONFIGURATION

- 1) Ensure correct stripped wire length by using gauge on the base.
- 2) Using posi screw driver slacken off locking screws on the base.
- 3) Insert stripped part of cable into appropriate slot and tighten screws.
- 4) Fit the detector on to the base.



TROUBLE SHOOTING

In event of fault as described underneath, please use the following method to examine the system

* Buzzer makes intermittent sound, and Fault lamp lights.

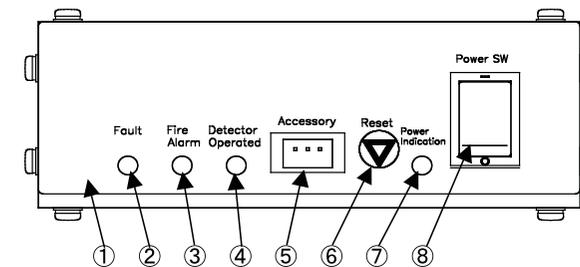
- Check the wiring throughout the panel, CPC-3 and detector. "L" and "C" are polarised.
- Make sure if the detector is mounted on to the base properly.
- Make sure wiring connections from CPC-3 to smoke detector(s) are terminated by an End-of-Line resistor.

* Unstable Detector Behaviour (Unpredictable alarm and reset conditions)

- If the system is being subjected to noise, this condition might make the panel activate. (If noise is predicted, please replace the existing wire with a shielded wire.)

NAME OF EACH PART

- 1) Body
- 2) Fault Lamp
- 3) Fire Alarm Lamp
- 4) Detector Operated Lamp
- 5) Accessory Terminal
- 6) Reset Switch
- 7) Power Indication Lamp
- 8) Power Switch

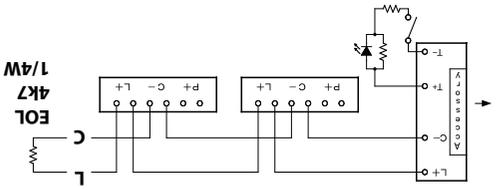
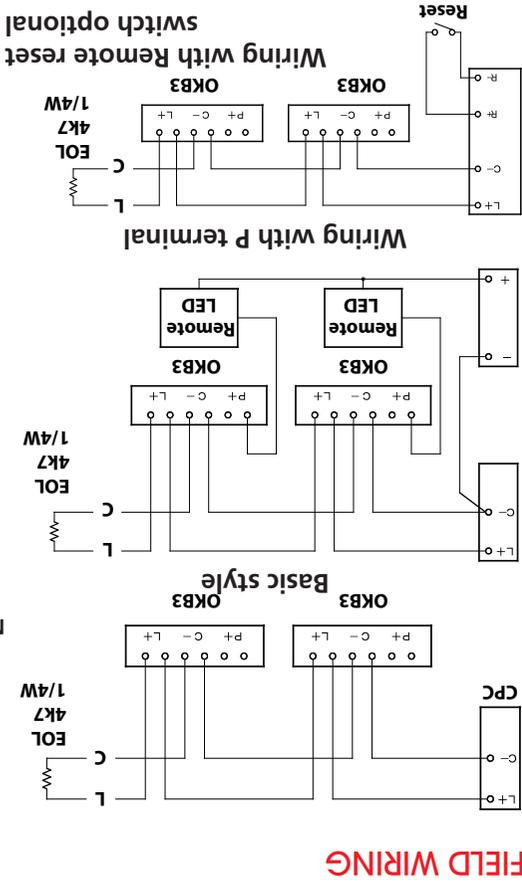


CONTROL UNIT SPECIFICATION

Power Source	AC100 to 240V /60Hz 5.0VA or less	Ambient Temperature	0~60°C
Output Voltage	19V DC Max	Connectable detectors	OKB3,OKB,OIB
End-of-Line Resistor	7.5K,1/4W	Field Wiring resistance Limit	Less than 20 ohm
Switch	Power switch (Latching Type) Reset (Momentary Type)	Max No. Detector	Less than 20
Remote Reset	External switch contact [R+, R-]	Remote Test Equipment	Optional for OKB3 only
Remote Test	External switch contact, LED [T+, T-] (optional function)		
Indicator	1) Fault 2) Fire Alarm (2 detectors in alarm condition) 3) Detector Operated (1 detector in alarm condition) 4) Power indication	Yellow Red Red Green	
Relay	1) Fault 2) Fire Alarm (2 detectors in alarm condition) 3) Detector Operated (1 detector in alarm condition) Relay Contact Ratings DC30V, 1A AC125V, 0.3A	"C" type contact "C" type contact "C" type contact	
Buzzer Sound	Intermittent : 5Hz 1 detector in alarm condition, 0.5Hz Fault (short/open) Continuous: 2 detectors in alarm condition (for Fire Alarm)		

Condition	Indicator				Terminal marking						Buzzer Sound
	Power indication L1	Fault L2	Fire Alarm L3	Detector Operated L4	Fault		Detector Operated	Fire Alarm			
Supervision	○	-	-	-	9-11	10-11	1-3	2-3	4-6	5-6	-
Power cut	-	-	-	-	OPEN	CLOSE	CLOSE	OPEN	CLOSE	OPEN	-
Line Interruption /Grounding	○	○	-	-	CLOSE	OPEN	OPEN	OPEN	CLOSE	OPEN	Intermittent
1 detector In alarm	○	-	○	-	OPEN	CLOSE	OPEN	CLOSE	CLOSE	OPEN	Intermittent
2 detectors In alarm	○	-	○	○	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE	Continuous

OPERATION MODE STATUS



Note. 1. CPC-3 shall be connected in series wiring as diagram above.

2. Detector line shall be terminated in an End-of-Line resistor: (7.5K, 1/4W)
3. Maximum 20 detectors can be connected to the CPC-3.
- 4 Check polarity of detector wiring. (i.e. L, C)
5. If area is subjected to high frequency interruption or noise, shielded wire is recommended.
6. When using the P+ terminal wiring, use an external power source (DC12V), and during the RESET condition, disconnect the supply at the same time as the -ve side of the relay or indicator, to less than 100mA.

TERMINAL CONFIGURATION

