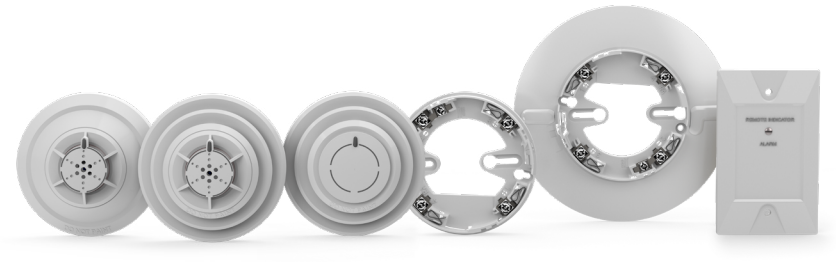
PC-Series
Conventional Detectors & Bases

Features

- 2-wire, plug-in conventional detection technology
- 6” mounting base included for selected models
- Drift compensation for smoke detectors
- Low profile, less than 2 inches with the base
- LED Normal/Alarm/Trouble/Sensitivity
- Optional Magnetic Test Switch
- Product includes 5-year warranty
- UL268 7th edition compliant for smoke detectors



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Description

The PC-2P and PC-2PN are conventional photoelectric smoke detectors. The PC-2P has magnet test feature while the PC-2PN doesn’t.

The PC-2PH is conventional smoke and heat detector, the photo and heat sensors on the PC-2PH work independently to generate an alarm signal to the panel.

The PC-2H is a conventional heat detector with a 135°F fixed alarm temperature and a 15°F/min rate of rise alarm. The PC-2H is listed on maximum 70 ft spacing on a 10 ft smooth ceiling.

The PC-4DB and the PC-6DB are mounting bases designed to work specially with the PC-series detectors. The PC-4DB has a four (4) inch diameter and the PC-6DB has a six (6) inch diameter. Both bases provide multiple mounting options to accommodate different junction boxes and have a locking feature to allow tamper-proofing to prevent unwanted removal.

The PC-RA is a remote indicator designed for conventional fire alarm system applications and can be used with PC-series detectors.

The PC-2P, PC-2PN, PC-2H and PC-2PH detectors can be sold separately or together with the 6” mounting base PC-6DB. The models comprising the PC-series detectors along with the PC-6DB base are PC-2P6B, PC-2PN6B, PC-2H6B and PC-2PH6B respectively.

Operation

All PC-series detectors include one (1) LED to indicate the device statuses including normal standby, alarm, trouble, dirty (except heat detector), and sensitivity range. They must be connected to a conventional fire alarm control panel or connected to an addressable control panel through a zone module for proper operation.

Ordering Information

Models available outside the US

Model	Description	Stock No.
PC-2P	Conventional Photoelectric Smoke Detector	1430045
PC-2H	Conventional Heat Detector	1430046
PC-2PH	Conventional Photo & Heat Detector	1430047
PC-2PN	Conventional Photoelectric Smoke Detector Without Magnetic Test	1430048
PC-RA	Conventional Remote Indicator	1430049
PC-4DB	Conventional 4” Base	1430052
PC-6DB	Conventional 6” Base	1430053
PC-2P6B	Conventional Photoelectric Smoke Detector w/6” Base	1430054
PC-2H6B	Conventional Heat Detector w/6” Base	1430055
PC-2PH6B	Conventional Photo & Heat Detector w/6” Base	1430056
PC-2PN6B	Conventional Photoelectric Smoke Detector Without Magnetic Test w/ 6” Base	1430057

Technical Specifications

PC-Series Detectors

	PCP-2P / PC-2PN	PC-2PH	PC-2H	PC-RA
Operating Voltage	12 or 24 VDC			
Standby Current	60 µA			
Alarm Current (Must limited by panel)	6 - 130 mA			Max. 3 mA
Max. Number Allowed on a Circuit	25			
Sensitivity Range	(2.30% ± 1.20%)/ft		--	--
Alarm Temperature	--	135°F, 15°F/min RoR		--
Installation Temp Range	32°F - 120°F	32°F - 115°F		32°F - 120°F
Operating Humidity Range	0% - 95% (non-condensing)			
Dimension	Φ 3.93 in			2.8 x 4.5 x 1.1 in
Weight	3.20 oz	3.25 oz	2.4 oz	1.78 oz
Height	1.42 in	1.70 in	1.5 in	--
LED modes	Refer to the manual for detail			

PC-Series Bases

	PC-4DB	PC-6DB
Installation Temp Range	32°F - 120°F	
Operating Humidity Range	0% - 95% (non-condensing)	
Dimension	Φ3.93 in	Φ 6.3 in
Weight	1.34 oz	3.03 oz
Height	0.76 in	0.76 in
Acceptable Wire Gauge	22 to 12 AWG	
Mounting Options	3-1/2” octagon, 4” octagon, 4” square with plaster ring, 50mm c/c, 60mm c/c and 70mm c/c boxes	3-1/2” octagon, 3-1/2” square, double gang, 4” octagon, 4” square, 50mm c/c, 60mm c/c and 70mm c/c boxes