FCP-500 Series
Flush Mount Smoke Detectors

The art of invisible smoke detection

BOSCH
Invented for life

Fitting in anywhere

The FCP-500 Series smoke detectors have the lowest mounting profile in the industry so it nearly disappears when installed in the ceiling. In addition, the FCP-500 comes in standard white and a clear plastic model with 16 color-matching rings so it virtually disappears while it works. Where appearance and interior design are important considerations, this smoke detector – a Bosch exclusive – is the hands down favorite.

Technology rules

The FCP-500 Series is available as smoke-only detectors as well as a multi-criteria detector with a carbon monoxide (CO) sensor. Best of all is the technology inside the FCP-500. The CO element automatically shifts the sensitivity of the detector based on the presence of CO. In addition, the FCP-500's lens and software prevent the detector from reacting to stray light and the patent-pending anti-masking feature tells the panel if the detector lens gets covered and blocks operation. Bosch also equips the FCP-500 Series with a unique patented chamber design and improved contamination detection that keeps it detecting accurately for months at a time. The advanced technology inside the FCP-500 means that you get better fire detection with a greatly reduced occurrence of false alarms.

Optional CO sensitivity

Because carbon monoxide is always present and detectable earlier in a fire, Bosch offers the FCP-500-C models which detect CO as well as smoke. Under normal conditions, the detector signals an alarm when air contamination reaches approximately 8%. Less innovative detectors routinely trigger false alarms at lower levels of contamination. If the FCP-500-C detects CO, it automatically increases sensitivity to catch the alarm. This selective sensitivity to smoke lets it nearly eliminate unwanted alarms while alerting rapidly in real fire conditions. You get reliable alarm signals you can trust.
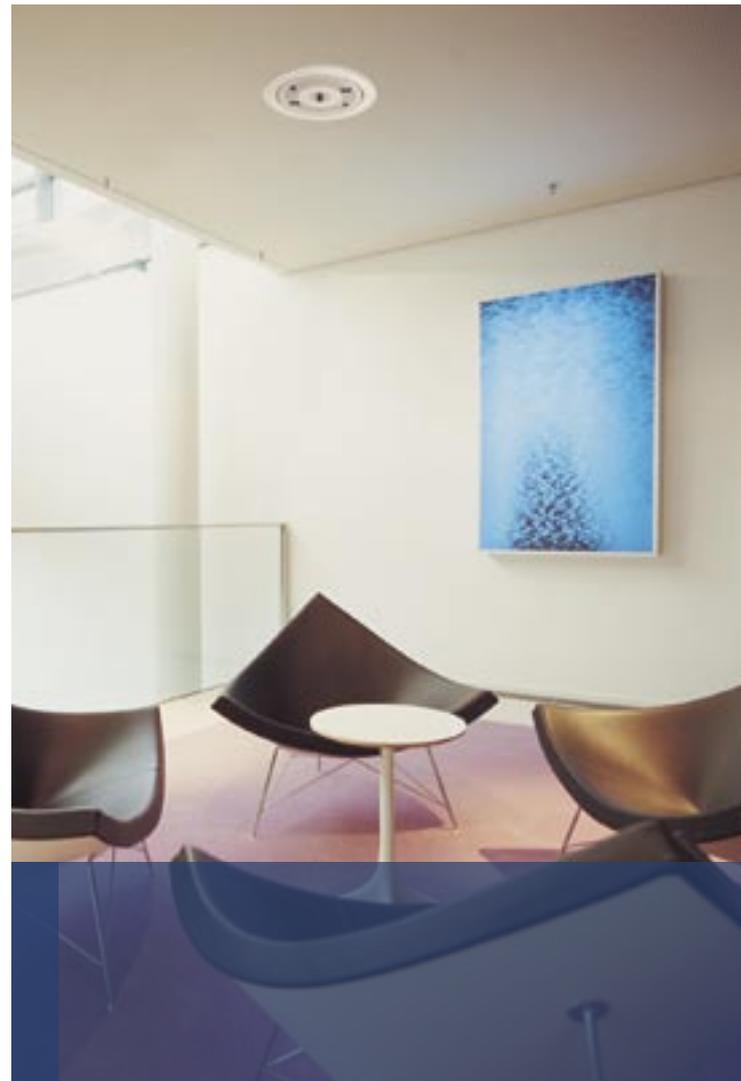
Low maintenance, simple testing

The unique flat plate virtual chamber design means there is less dust contamination and improved alarm accuracy in environments with lots of air borne particles. When the face plate lens does get dirty, the internal contamination sensor automatically tells your control panel that cleaning is required – which is as easy as wiping the flat face plate off with a soft cloth. That's all the routine maintenance it requires.

The FCP-500 also features a time-saving function and calibration magnet test. Rather than using cumbersome and expensive test devices, the detector function and calibration can be checked with a magnet – quickly, cleanly and with little disturbance to anyone nearby. This also ensures that the detectors comply with National Fire Protection Association standards while saving time and money.
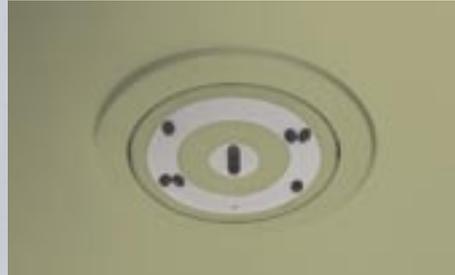
A new era in smoke detection

New twists on the traditional smoke detector are rare these days –
except for the FCP-500 Series from Bosch. These versatile detectors
deliver advanced technology that practically eliminates unwanted or
false alarms while its sleek flush-mounted styling means that it blends
easily with any interior décor.

Features with real benefits

- Detector mounts nearly flush in ceiling – does not intrude upon or detract from interior design in specialized facilities

- Unique dual virtual chamber design – minimizes false alarms and improves detection, especially in dusty, dirty environments

- Flat face plate and lens – easy to clean and maintain

- Custom color face plates – 16 optional colored trim ring kits let the FCP-500 blend in with every ceiling

- Optional carbon monoxide sensor – virtually eliminates false alarms with automatic sensitivity adjustment

- Anti-masking sensor – signals the panel if the detector is covered up

- Contamination sensor – monitors dust build up and signals the panel if the lens is obstructed

- Drift compensation – automatically adjusts for dust and dirt build up on the lens

- Compatible with almost all four-wire capable fire alarm control panels – ideal for renovation work as well as new construction

- UL 268 listed

- Easy installation and mounting – modular construction makes it simple to install

- Unique dual virtual chamber design for fast, accurate detection
- Alarm LED is visible from every angle
- Contamination sensor alerts the panel when it's time to clean the face plate
- Optional CO detector virtually eliminates unwanted alarms
- Anti-masking sensor tells the panel if the lens is covered up
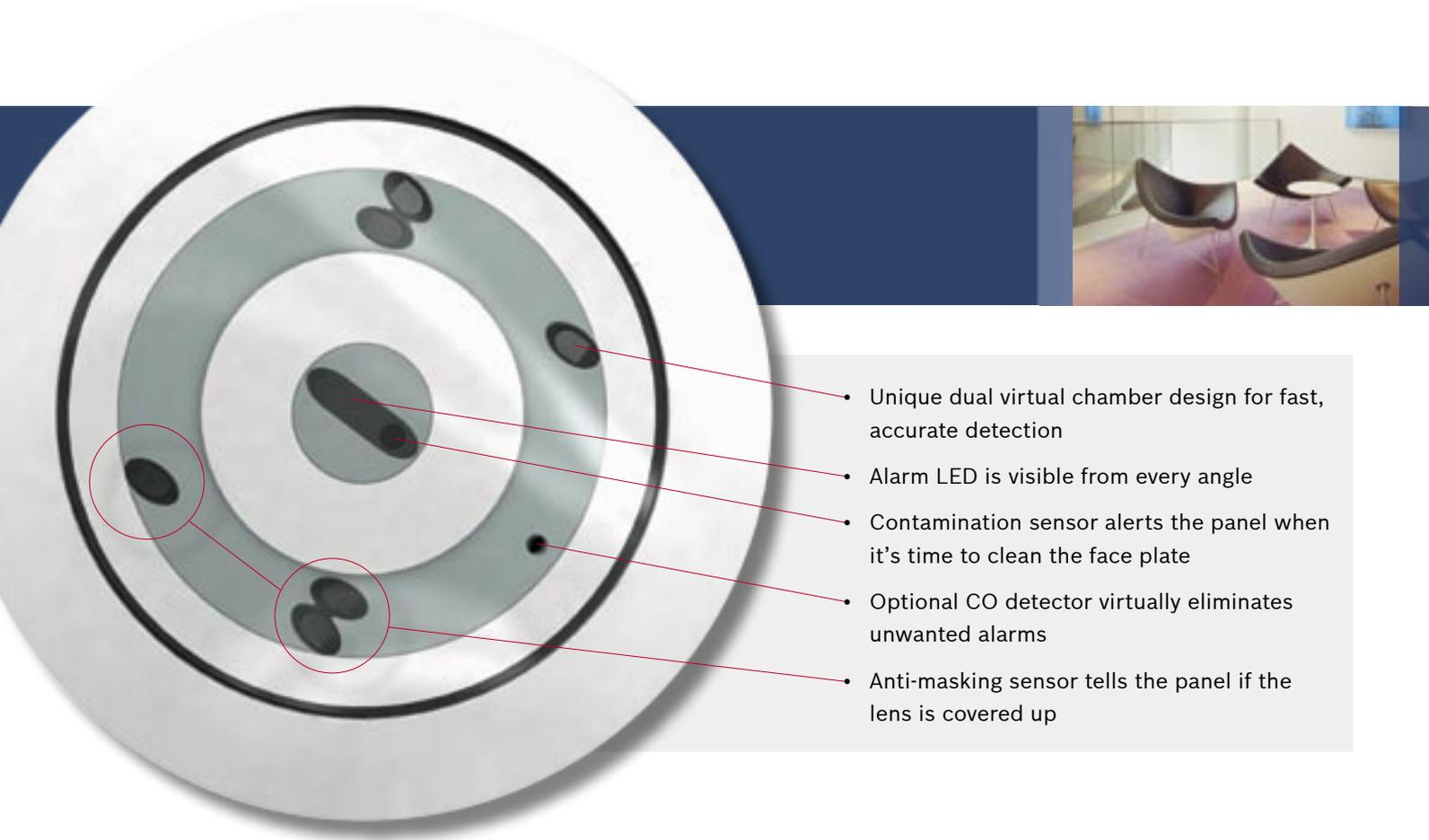
FCP-500 Series	
FCP-500	Conventional 4-wire flush mount smoke detector; white
FCP-500-C	Conventional 4-wire flush mount smoke detector with CO element; white
FCP-500-P	Conventional 4-wire flush mount smoke detector; transparent with color ring kit
FCP-500-C-P	Conventional 4-wire flush mount smoke detector with CO element; transparent with color ring kit

- Modular construction makes installation quick and maintenance simple

- Back box is conduit ready

- Separate base simplifies wiring

- Available in white or clear with color ring kit to match ceiling color

Award winning design and technology

DESIGN PLUS
AWARD WINNER 2004

DETEKTOR
INTERNATIONAL
AWARD

PREMIO INTEL DESIGN 2004
INNOVATION
& DESIGN

Prize for Innovation
in Architecture and Technical Systems

Giving architects more freedom
- Low mounting profile makes the FCP-500 nearly invisible on any ceiling
- Unique mounting method blends in with décor
- No exposed chambers to collect dust and dirt

Profile of a
typical detector

Near zero reveal profile
FCP-500 Detector

Bosch innovation inside

Bosch consistently develops products and solutions for homes and businesses that address fire detection concerns with outstanding design, innovation and value. The FCP-500 combines unparalleled technology innovations, performance and quality with people-pleasing good looks. Contact Bosch at (800) 289-0096 or a Bosch Certified Security Dealer today for more information about the FCP-500 Series Smoke Detectors.

Bosch is proud to offer fire alarm products you can rely on.

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Tradition of quality and innovation
For over 100 years, the Bosch name has stood for quality and reliability. Bosch Security Systems proudly offers a wide range of fire, intrusion, social alarm, CCTV, management and communication systems and components to help you find the solution for any application. We are the global supplier of choice for innovative technology backed by the highest level of service and support. When you need solutions you can rely on, choose Bosch.