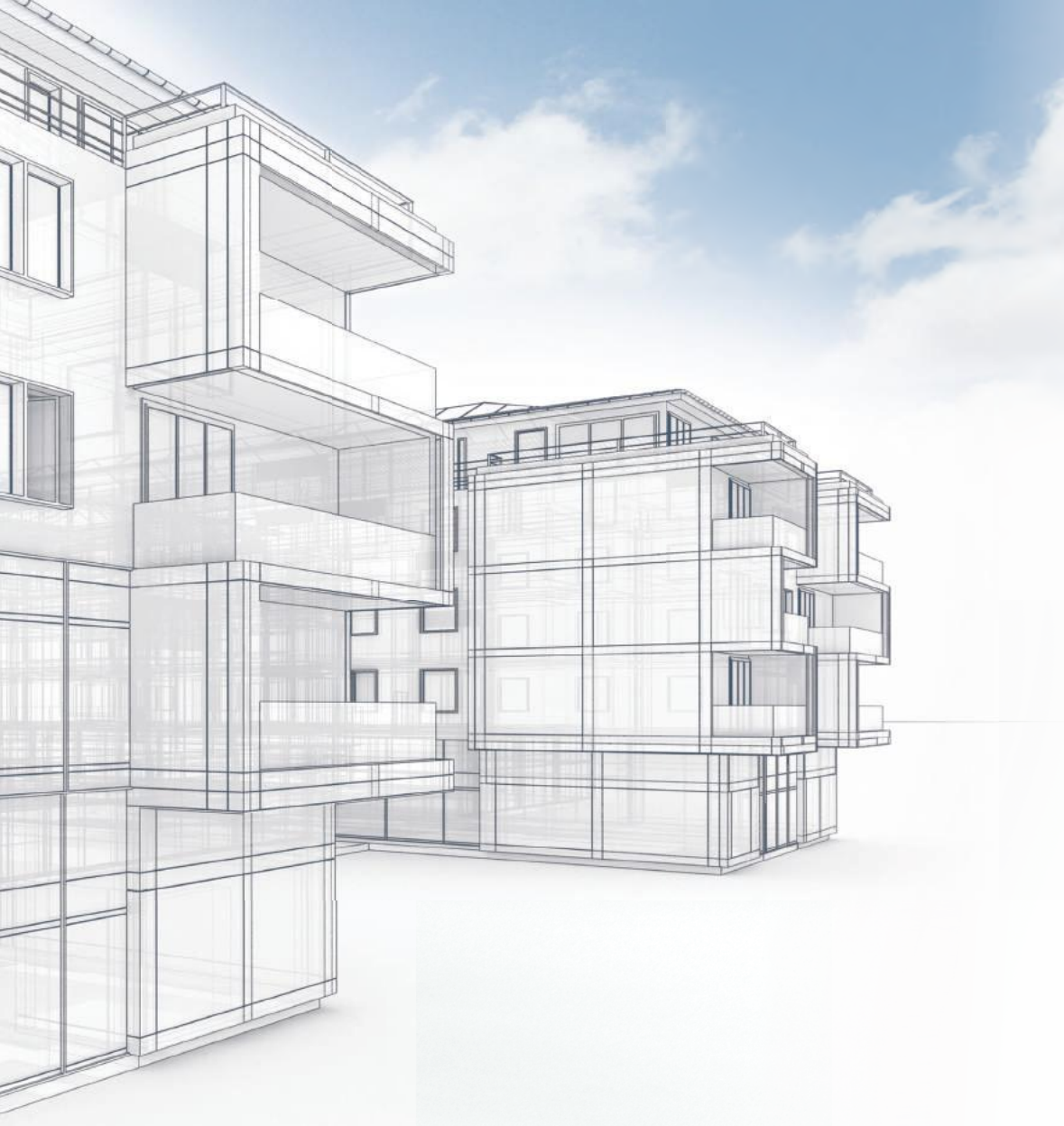# Pyrexx®

Product Line 2019

PX-1 Stand-Alone Smoke Alarm
PX-1C Radiolink Smoke Alarm | PX-AR Alarm Relay
PX-iP Wi-Fi Smoke Alarm System
Pyrexx Web-App | Design Variety

Contents

Most Trusted and Best Rated Quality Products

We have drawn from our many years of experience to develop a completely new generation of high-quality smoke alarm systems. Pyrexx quality products are manufactured in Germany in compliance with the EU product standard EN 14604.

Furthermore, our devices comply with the requirements of the TUV and KRIWAN quality standards. In 2013 the German consumer foundation 'Stiftung Warentest' rated the PX-1 as Germany's top rated long-term smoke alarm.

EU product standard
EN 14604
for smoke alarms

Made in
Germany

German user standard
DIN 14676
for smoke alarms

Reliable Protection Against Nuisance Alarms

The PX-1 is a stand-alone smoke alarm complying with EN 14604, equipped with a built-in long-term lithium battery.

Our devices therefore do not require annoying and expensive battery changes. This represents just one of the many ways how we actively contribute to the protection of our environment.

Through the sensor-controlled safety mechanism, an alarm is triggered only if there really is concrete evidence of a fire. Pyrexx products offer reliable protection against nuisance alarms.

For purchases from an authorised retailer or sales partner, we guarantee a defect-free device for a duration of 12 years.

PX-1 smoke alarms comply with the requirements of the vfdb directive 14/01 and carry the German quality label „Q" (more information about the „Q" label and the vfdb directive on pyrexx.com).

12 years

PX-1C Radiolink Smoke Alarm

Wireless and Reliable Interconnected Devices

PX-1C Radiolink Smoke Alarms in compliance with the EU product standard EN 14604 can easily be interconnected with each other.

Through the sensor-controlled safety mechanism, an alarm is triggered only if there really is concrete evidence of a fire. PX-1C Radiolink Smoke Alarms offer reliable protection against nuisance and are particularly suitable for large or multi-storeyed houses or apartments.

Thanks to the built-in long-term lithium batteries, annoying and expensive battery changes are no longer required. For purchases from an authorised retailer or sales partner, we guarantee a defect-free device for a duration of 10+2 years.

PX-1C Smoke Alarms comply with the requirements of the vfdb directive 14/01 and carry the German quality label „Q" (more information about the "Q" label and the vfdb directive on pyrexx.com).

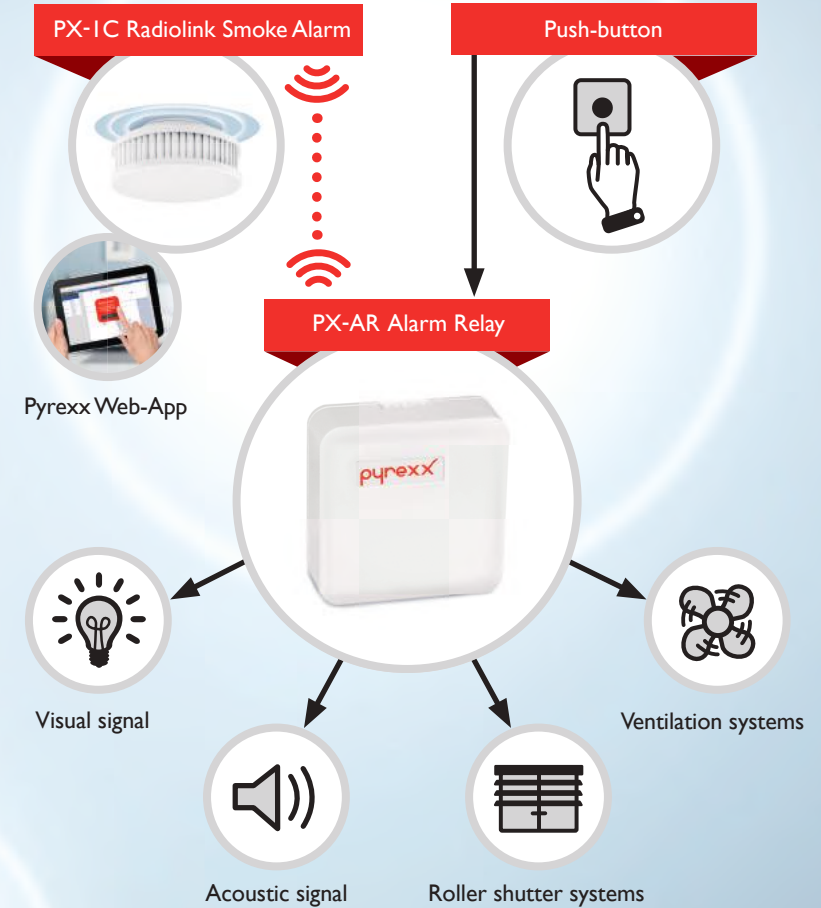10+2 years

Control Relay for External Applications

The PX-AR Alarm Relay is an output and input module, which can be integrated into a PX-1C Smoke Alarm radio group.

When an alarm is triggered, the PX-AR controls external applications through a cable, e.g.:

Acoustic or visual signals	✓
Ventilation systems	✓
Roller shutter systems	✓
Home automation systems	✓

In combination with a push-button, the acoustic alarm of PX-1C Radiolink Smoke Alarms can be activated manually by this alarm relay.

The device is equipped with a built-in long-term lithium battery and can be operated without an external power supply.

PX-1C Radiolink Smoke Alarm

Push-button

Pyrexx Web-App

PX-AR Alarm Relay

Visual signal

Acoustic signal

Roller shutter systems

Ventilation systems

New Horizons in Modern Fire Protection

Thanks to the PX-iP Internet Gateway, the PX-1C Radiolink Smoke Alarms can now be upgraded to a smart and reliable Wi-Fi smoke alarm system.

When a smoke alarm device triggers an alarm, you will receive a message directly on your smartphone, tablet or your home computer, displaying the precise location, temperature specification as well as information about the affected smoke alarm.

Therefore, you do not waste any time in case of compartment fires. You can also opt for an alarm notification by phone.

Wi-Fi standard according to IEEE 802.11b/g/n

Data security ensured through encryption

Power battery backup unit for emergency operation

Internet Gateway –
Central Control Unit

On vacation, during the commute to work or in your garden: The Wi-Fi Smoke Alarm System from Pyrexx reliably keeps you informed about the security status of your home, regardless of where you are.

The PX-iP interconnects the PX-1C Smoke Alarms with the internet through Wi-Fi or LAN cable. The gateway can be easily and intuitively configured and controlled by using the Pyrexx Web-App.

An emergency power supply and the integrated SIM card ensure proper functionality even if there are internet connection problems.

The Pyrexx Web-App is free of charge for non-professional users and presents itself in an attractive and user-friendly design.
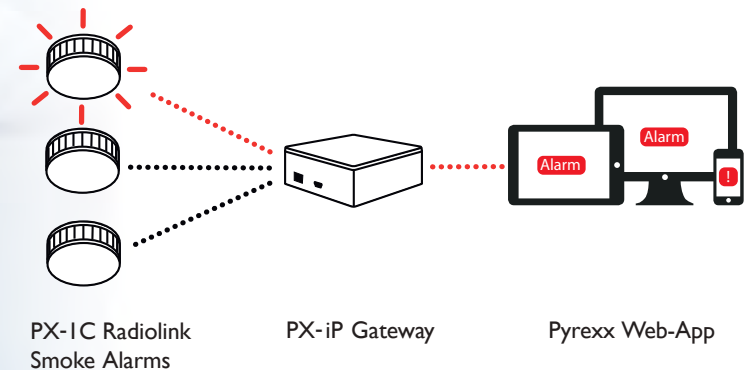
PX-1C Radiolink Smoke Alarm

Pyrexx Web-App

PX-iP Gateway

Installation Examples for Residential Homes

The Pyrexx Wi-Fi Smoke Alarm System for residential homes embeds PX-1C Radiolink Smoke Alarms in a network of devices that communicate with each other. Therefore it opens new horizons in modern fire protection.

The base component of the system is the PX-iP Internet Gateway, which integrates into your home Wi-Fi network and connects all of the wireless radiolinked smoke alarms to the internet.

The Wi-Fi smoke alarm system can be comfortably and intuitively configured by using the Pyrexx Web-App.

PX-1C Radiolink   PX-iP Gateway   Pyrexx Web-App
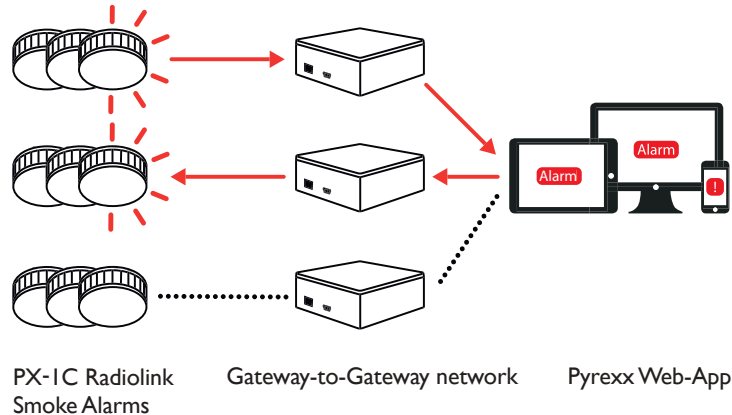Smoke Alarms

Solutions for large Housing Complexes

Provided that integrated fire alarm systems are not mandatory, the PX-iP Wi-Fi Smoke Alarm System serves for early and reliable fire detection.

Ideal applications are e.g. apartment buildings, residential establishments, assisted living, day-care centres or container accommodation units.

For large-scale applications, multiple PX-iP Internet Gateways can be networked with each other. The Pyrexx Web-App assists service providers with the intuitive configuration of the PX-iP Internet Gateway.

PX-1C Radiolink Smoke Alarms   Gateway-to-Gateway network   Pyrexx Web-App

The Most Important Product Characteristics

Functions and features of the PX-iP Wi-Fi Smoke Alarm System:

Alarm forwarding per SMS or email: 24 hours a day ✓

In case of an alarm, the system displays the precise location, temperature specification as well as information about the affected room ✓

Further Status information includes contamination, battery status as well as the signal strength of the networked PX-1C Radiolink Smoke Alarm ✓

Configuration using the browser-based Pyrexx Web-App ✓

Optimal operational safety through emergency power supply and integrated SIM card that provides sufficient free data volume (Data volume for use within the EU, can optionally be upgraded) ✓

PX-iP Internet Gateways include a networking function ✓

Each Gateway can connect a maximum number of 14 PX-1C Smoke Alarms to the internet ✓

PX-iP Internet Gateways are maintenance free ✓

Phone call alarm notifications available as an upgradable feature ✓

Smart Maintenance Management Software

The Pyrexx Web-App is a versatile software that not only has a configuration and control function for the PX-iP Internet Gateway, but can also register annual testing and maintenance performed on smoke alarms or other devices.

The modern and intuitive design of this browser-based application is optimised for private and commercial use and can be operated on all devices.
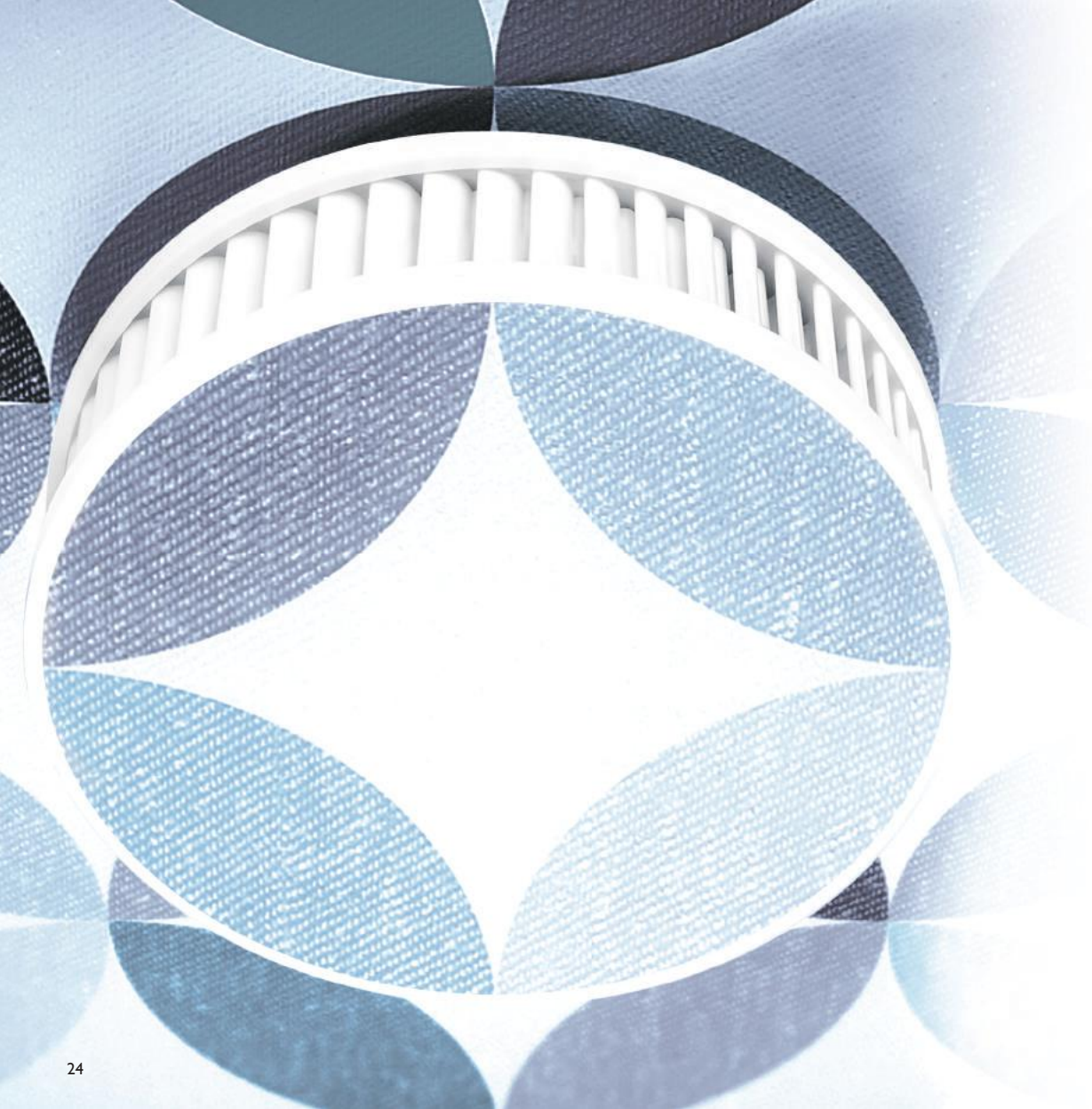
Additionally the maintenance management software offers comprehensive additional features for service providers.

Using the Pyrexx Web-App, maintenance protocols can be downloaded as PDF.

German user standard
DIN 14676
for smoke alarms

pyrexx®
Software

Room for Creative Individual Designs

High-quality smoke alarm devices from Pyrexx unite modern electronics with innovative features, minimal casing dimensions, absolute reliability and timeless design.

The entire bottom cover of the casing is a test/stop button and can easily be reached and triggered e.g. in case of fire alarms.

Only Pyrexx products can adapt their appearance to your wishes and requirements. This allows our smoke alarms to fit harmoniously into any individual room concept.

DESIGN PRODUKTE

GERMAN DESIGN AWARD SPECIAL 2016

+X PLUS X AWARD
ausgezeichnet für:
High Quality
Design
Funktionalität

A colourful and unique Design Variety

Colours are an expression of human individuality and creativity. Your home is a clear symbol of your style, passion and personality.

To be able to do justice to any tastefully furnished home, Pyrexx is the only manufacturer to offer quality smoke alarms in numerous colours and colour combinations.

Our extensive variety reaches from gold and silver to wood edition and Swarovski crystals®.

Swarovski crystals® and Gold -/ Silver - Design
For PX-1 Stand-Alone and PX-1C Radiolink Smoke Alarm

Colour Combinations
For PX-1 Stand-Alone and PX-1C Radiolink Smoke Alarm

Wood Edition
For PX-1 Stand-Alone and PX-1C Radiolink Smoke Alarm

Adhesive Mounting

Every smoke alarm device comes with a magnet carrier with an adhesive gel pad. With this certified mounting technology, all Pyrexx Smoke Alarms can be firmly and reliably attached to virtually any ceiling surface structure, in compliance with the German user standard DIN 14676.

Every package includes an additional set of screws and dowels for drill based mounting of the smoke alarms.

Technical Specifications

Pyrexx devices are all Made in Germany, in accordance with
RoHS Directives and CE certificate

PX-1 Stand-Alone and PX-1C Radiolink Smoke Alarm

Dimensions in mm (Ø x H) 105 x 38

	PX-1	PX-1C
Certified adhesive mounting system	✓	✓
Silent Mode	✓	✓
Suitable for the kitchen thanks to condensation barriers	✓	✓
Bedroom suitable (no disturbing LED)	✓	✓
Suitable for installation in mobile homes	✓	✓
Large, user-friendly test/stop button (78 cm²)	✓	✓
3 x insect protection	✓	✓
Bi-sensor processor technology (smoke and heat)	✓	✓
Active contamination compensation	✓	✓
Cyclical genuine self-test function	✓	✓
Intelligent software analysis of the sensor values	✓	✓
Alarm sound output: 85 dB	✓	✓
60 m² detection range (depending on the structural circumstances)	✓	✓
EN 14604, KRIWAN, TUV	✓	✓
German quality label - Q	✓	✓
Service life of the lithium battery(ies) in years	12	10+2
Warranty in years	12	10+2
Maximum number of networked smoke alarms per radio group	–	15
Maximum number of networkable radio groups	–	15
Transmission paths: 400 m (± 10 %) in the open field	–	✓
Frequency: 868.3 MHz	–	✓

PX-iP Internet Gateway

Dimensions in mm (L x W x H) 100 x 100 x 36

Wireless networking with the PX-1C Radiolink Smoke Alarms	✓
Frequency: 868.3 MHz	✓
Data encryption: AES256	✓
Transmission paths 400 m (± 10 %) in the open field	✓
Maximum number of interconnected PX-1C Smoke alarms	14
Gateway-to-Gateway network	✓
LAN, Wi-Fi according to IEEE 802.11b/g/n and GSM (backup)	✓
Software can be updated	✓
32-bit processor	✓
Operation using the browser-based Pyrexx Web-App	✓
Scope of delivery includes USB power unit, USB cable and LAN cable	✓

PX-AR Alarm Relay

Dimensions in mm (L x W x H) 54 x 54 x 22

Wireless networking with the PX-1C Radiolink Smoke Alarms	✓
Frequency: 868.3 MHz	✓
Data encryption: AES256	✓
Transmission paths: 400 m (± 10 %) in the open field	✓
Alarm output port: Relay with change-over, 3 V to 30 V, 1-100 mA	✓
Potential-free alarm input port: max. 24 V	✓
Alarm buzzer	✓

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