

## Plug & Play Installationbox model: PPIB

This user manual contains important information for correct installation and use. Read this information carefully and keep these instructions for future use.

The installation box, model PPIB, is compatible with smoke detectors ASD-10QR and heat detectors AHD-10QR. This allows all brands of free motion door closers and other devices that operate on 24 Volts DC to be controlled by the wirelessly connected smoke and heat detectors. Complies with BBL article 4.2.18.

### THE FITO PRODUCTS INSTALLATION BOX CONTAINS:

1x PKD-1 Module, 1x manual, 2x cable ties, 1x power cable/plug, 1x Hensel junction box

### BASIC FUNCTIONS:

- Compatible with most brands of free motion door closers
- Connection to the free motion door closer via a dry contact
- Creates a wireless network with up to 23 smoke and/or heat detectors
- One-button operation for all modes
- Self-resetting function
- LED indication
- Ability to boost the signal via an external antenna
- Made in Europe

### TECHNICAL SPECIFICATIONS:

**Voltage range:** 88-264V  
**Nominal output voltage:** 27V max  
**Current consumption:** 1,1 A max  
**Box dimensions:** 130x180x77 mm  
**Operating temperature:** 0°C - +40°C  
**Relative humidity at 40°C:** 90% max  
**Atmospheric air pressure:** 86 tot 107 kPa  
**RF-frequency:** 868.100  
**RF power:** +14 dBm max  
**RF-range:** up to 120 m. open space  
**With external antenna:** up to 300 m. open space  
**NO/NC-contact: with active load:** 1A/30VDC; 0.3A/125VAC  
**Max. switching power:** 30W (1A/30VDC), 37,5VA (0.3A/125VAC)

### INSTALLATION OF THE BOX:

1. Check the contents of the box upon receipt.  
**Caution:** If the module has been exposed to low temperatures before opening the packaging, it is essential to allow it to acclimatise to room temperature for at least 4 hours before proceeding.
2. Place the box on a flat, solid surface.
3. Open the box by removing the top cover.
4. Check that the plug is properly connected to the 230V AC. If the plug is not connected, connect it to the 230V AC input: Neutral -, Ground and Live+.
5. Insert the plug into a grounded socket.

### CONNECTING FREE MOTION DOOR CLOSER:

There is a hole in the box through which the connection cable from the 24V DC connection to the free motion door closer can be pulled.

The connection diagram is as follows:

- Connect the Neutral wire (-) to the COM portal
- Connect the Phase wire (+) to Out1 or Out2 depending on the desired application.

### See diagram:

PKD-1	Out1+	COM-	Out2+
Standby mode	0V	-	24V
Fire/Alarm	24V	-	0V

For example, use Out2 for a free motion door closer, for a continuous 24V stabilized power supply. (This power supply is cut off as soon as the smoke or heat detector goes off, causing the free motion door to close)

### PAIRING PROCEDURE:

#### For a new network

1. Place all the detectors to be connected, which will be part of the network, in front of you and remove the base plate.
2. Press and hold the 'TEST' button on the PKD-1 for at least 4 seconds until the LED light stays on continuously.
3. Then briefly press the 'TEST' button on each detector. The LED lights of the PKD-1 and the detectors will then blink in sync.
4. To complete the procedure for creating the network, press the 'TEST' button on the PKD-1.

#### For connecting to an existing network

1. Press the 'TEST' button on the PKD-1 5x. The module enters the programming function to connect to the wireless network. This programming function lasts a maximum of 120 seconds. The LED light blinks once long and once short every 2-3 seconds.
2. Remove one of the connected detectors from the base plate and press the 'TEST' button on the detector. The wireless connection module accepts the network code and goes into standby mode. The LED light blinks once for a short time to indicate this.
3. Rotate the detector back onto the base plate.
4. Test the connection by pressing the test button on the detector.

### CHECK CONNECTION BOX WITH FREE MOTION DOOR CLOSER:


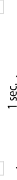


1. If the box is closed, open the box and press the 'TEST' button PKD-1 7x. The module will enter silent alarm mode for 120 seconds. The LED light will blink once per second during these 120 seconds. The free motion door will close.
2. To return to standby mode, press the 'TEST' button PKD-1 for 2 seconds.

### DISCONNECT BOX FROM NETWORK:

1. Press the 'TEST' button PKD-1 10 times. The power will be turned off. After 3-4 seconds, the power will be restored.
2. Hold the 'TEST' button PKD-1 for longer than 4 seconds until the LED light stays on continuously. (Programming mode for creating a network).

Press the 'TEST' button PKD-1 briefly to complete the procedure.

### LIGHT SIGNALS LED LIGHT

Mode	LED-signal
Standby mode	
Alarm mode	
Mode new network connection	
Mode connecting existing network	

### EXTERNAL ANTENNA:

For specifications and instructions see: <https://www.fito.nl/product/plugin-play-installatiebox/>

### PRODUCT WARRANTY:

If the product is installed, used, and maintained correctly, the manufacturer guarantees this product against material and/or manufacturing defects for a period of 3 years from the original purchase date by the consumer. Exceptions include damage resulting from accidents or misuse. If the product becomes defective within the specified period, it will be repaired or replaced free of charge. Do not attempt to repair or tamper with the product yourself, as this will void the warranty. The supplier is not responsible for any damage resulting from failure to follow operational and testing procedures, the use of a defective device, or incorrect installation.

### DISPOSAL INSTRUCTION:

The box should be replaced after the replacement date specified by the manufacturer on the box. Do not throw your old box in the trash; instead, take it to a collection point for small household waste near you.



### SUPPLIER:



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