Wireless Detection System
with unique detectors for smaller applications

RCP6 B

- wireless fire control panel
- microprocessor controlled
- 433 MHz
- 6 zones
- up to 100 radio addressable devices linkable
- 4 potential-free outputs
- emergency batteries
- LCD display

HD 3000 detectors

- optical and thermal smoke detectors for an early smoke verification
- programmable sensitivity levels
- up to 40 fire detectors interlinked
- interface interlinking via radio module (433 MHz or 868 MHz)
- automatic fault monitoring of measuring chamber
- acoustic alert
- wide range of design variants
- certified DIN 14604
- international approvals and certifications

7. Wireless Detect

| No. 32130 | Wireless fire control panel | RCP 6B |

- 4 potential-free relay outputs
- emergency power (batteries 8 x 1,5 V type Mignon LR 6) for max. 77h without alarm/with continuous alarm min. 15h
- optic and acoustic signal of alarm and fault
- identifying and monitoring devices for battery capacity, sensor malfunction, availability (wireless path) and signs of life
- analysis of the life signs after 24 h
- integrated back-up batteries 8 x 1,5 V
- integrated power supply
- per FCP unit 3 repeater applicable

Technical data

system voltage	230 V AV
operating voltage	12 V DC
quiescent current	max. 30 mA
alarm current	160 mA
frequency	433. 42 MHz
emergency power	8 x 15 V/max. 77 h
operation temperature	0°C up to +60°C
output relay	4 relais 50 V/0,5 A
display	LCD display
protection class	IP 20
humidity	max. 70 %
colour housing	grey
material	ABS
dimensions (H x D x W)	170 mm x 170 mm x 55 mm

Microprocessor controlled wireless radio panel, bidirectional, with backup alarm function to connect up to 100 wireless detectors of the series HD:

- operating range in the frequency band 433 MHz
- 6 alarm zones/detector zones

| No. 32294 | Connecting cable for RCP 6B | F.BZ |

Cable 24 V with SUB-D-plug connector for easy connection to the potential-free relay contacts of the RCP 6B.

| No. 32131 | Wireless repeater | F.RP RCP 6B |

- indication of the signal strength while programming
- transmission of signals (alarm, fault and status) to the panel
- life signs are sent regularly in order to keep up the control function
- emergency power supply 1 x Alkaline battery type IEC 6LR61, ca. 8 h
- appropriate for use in dry, heated locations
- wall mounting

Technical data

system voltage	230 V AV
operating voltage	12 V DC
quiescent current	35 mA
alarm current	70 mA
frequency	433. 42 MHz
emergency power	1 x 9 V/8 h
operation temperature	0°C up to +60°C
colour housing	grey
material	ABS
dimensions (H x D x W)	158 mm x 95 mm x 45 mm

Radio repeater to extend radio distances between wireless fire control panel RCP 6B and wireless detectors:

- 10 sensors each wireless repeater RCP 6B programmable

| No. 30458 | Smoke alarm | HDv 3000 O | VdS G202042 |

- up to 40 fire detectors interlinked
- the acoustic alert is made by an integrated piezo alarmsounder (> 85 dB)
- a visual and acoustic siganl at low battery condition for 30 days
- the optional plug-in radio module interface offers radio interlinking for reporting fault and alarm conditions via 433 MHz
- the average life span with a 9 V alkaline battery is approximately 2 years (without interlinking or alarms at 20°C ambient temperature)
- delivery including detector base, battery, screws and anchors

Technical data

operating voltage	9 V DC
responsivity	< 0,15 dB/m
quiescent current	< 16 µA
frequency	433. 42 MHz
operation temperature	-10°C up to +60°C
colour housing	white
material	ABS
dimensions (H x ø)	51 mm x incl. base 100 mm
approvals	further on request

Battery powered optical smoke alarm detector according to EN 14604:

- automatic fault monitoring of the measuring chamber as well as the battery voltage

| No. 32004 | Smoke alarm | HD 3005 O silver | VdS G204091 |
| No. 32015 | Smoke alarm | HD 3005 O white | VdS G204091 |

Battery powered smoke alarm detector EN 14604:

- automatic fault monitoring of the measuring chamber as well as the battery voltage
- up to 40 fire detectors interlinked
- the acoustic alert is made by an integrated piezo alarmsounder (> 85 dB)
- a visual and acoustic siganl at low battery condition for 30 days
- the optional plug-in radio module interface offers radio interlinking for reporting fault and alarm conditions via 433 MHz
- the average life span with a 9 V alkaline battery is approximately 2 years (without interlinking or alarms at 20°C ambient temperature)
- delivery including detector base, battery, screws and anchors

Technical data

operating voltage	9 V DC
responsivity	< 0,15 dB/m
quiescent current	< 16 µA
frequency	433. 42 MHz
operation temperature	-10°C up to +60°C
colour housing	white/silver
protection class	IP 30
material	ABS
dimensions (H x ø)	55 mm x 113 mm incl. base
approvals	further on request

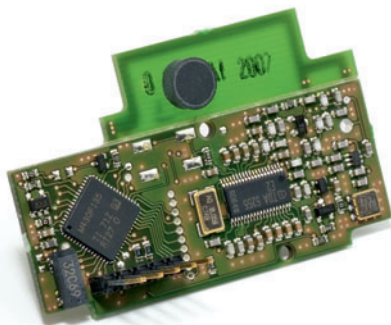| No. 30023 | Smoke alarm | HD 3001 O white | VdS G202054 |
| No. 30024 | Smoke alarm | HD 3001 O silver | VdS G202054 |
| No. 30123 | Smoke alarm | HD 3001 O black | VdS G202054 |

- automatic fault monitoring of the measuring chamber as well as the battery voltage
- the acoustic alert is made by an integrated piezo alarmsounder (> 85 dB)
- a visual and acoustic siganl at low battery condition for 30 days
- the optional plug-in radio module interface offers radio interlinking for reporting fault and alarm conditions via 433 MHz
- the average life span with a 9 V alkaline battery is approximately 2 years (without interlinking or alarms at 20°C ambient temperature)
- delivery including detector base, battery, screws and anchors

Technical data

operating voltage	9 V DC
responsivity	< 0,15 dB/m
quiescent current	< 16 µA
alarm current	20 mA
frequency	433. 42 MHz
operation temperature	-10°C up to +60°C
colour housing	white/silver
protection class	IP 30
material	ABS
dimensions (H x ø)	50 mm x 95 mm incl. base
approvals	further on request

Battery powered smoke alarm detector EN 14604:

| No. 32132 | Wireless module | F.M RCP 6B |

Wireless module for smoke detector HDv 3000 O (No. 30458) for wireless transmission of alarms and fault messages to the wireless fire control panel RCP 6B:

- backup alarm function via the panel by means of bidirectional data exchange
- signs of life are sent regularly in order to keep up the control function
- indication of the signal strength while programming
- after plausibility check transmission of signals (fault, battery capacity) to the panel
- acoustic warning individually adjustable
- nominal current 36 µA
- power consumption sending: typ. 35 mA
- power consumption receiving: typ. 18 mA

Technical data

operating voltage	9 V DC
responsivity	< 0,15 dB/m
quiescent current	36 µA
alarm current	35 mA./18 mA
frequency	433. 42 MHz
operation temperature	-10°C up to +55°C

No. 30528	**Battery**	**Lithium**

Block-Battery 9V/1.2Ah with aluminium cladding

No. 31957	**Thermal home detector**	**TM**

- up to 40 detectors connectable via networking clamp
- connection possibility for wireless networking module (433 MHz resp. 868 MHz) via integrated wireless interface
- the average life span with a 9 V alkaline battery is approximately
- 2 years (without interlinking or alarms at 20°C ambient temperature)
- delivery including detector base, battery, screws and anchors
- on-wall mounting

Technical data

operating voltage	9 V DC
responsivity	60°C
quiescent current	max. 16 µA
alarm current	max. 20 mA
frequency	433. 42 MHz
operation temperature	-10°C up to +65°C
output relay	4 relais 50 V/0,5 A
humidity	max. 80 %
sound volume	85 dB/1 m
protection class	IP 20
colour housing	white
material	plastics
dimensions (H x ø)	70 mm x 80 mm

Battery powered thermal smoke detector with integrated wireless interface for alarming in domestic applications:

- trigger temperature: 60°C
- acoustical alarm via piezo sounder with audible tone (85 dB)
- optical alarm: red LED
- signalising of sensor faults and low battery warning for 30 days

No. 32189	**Wireless module for thermal detectors**	**F.M T RCP 6B**

Update module to equip thermal home detector TM (No. 31957) with, for wireless transmission of alarms and fault messages to the wireless fire control panel RCP 6B:

- backup alarm function via the panel by means of bidirectional data exchange
- signs of life are sent regularly in order to keep up the control function
- indication of the signal strength while programming
- after plausibility check transmission of signals (fault, battery capacity) to the panel
- acoustic warning individually adjustable
- nominal current 36 µA
- power consumption sending: typ. 35 mA
- power consumption receiving: typ. 18 mA

Technical data

operating voltage	9 V DC
responsivity	< 0,15 dB/m
quiescent current	36 µA
alarm current	35 mA./18 mA
frequency	433. 42 MHz
operation temperature	-10°C up to +55°C

No. 32190	Wireless manual call point	F.MCP RCP 6B

Wireless spring-button detector with integrated wireless module for manual triggering of fire alarm at the Fire Control Panel RCP 6B:

- alarm or battery change signals are transmitted to Fire Control Panel RCP 6B via the integrated wireless module
- life signs are sent regularly in order to keep up the control function
- nominal current: typ. 7,5 µA
- power consumption alarm: 40 mA
- power supply: 1 x 9 V Alkaline block battery IEC 6LR 61, average, lifetime approx. 1 year

Technical data

operating voltage	9 V DC
quiescent current	7,5 µA
alarm current	40 mA
frequency	433. 42 MHz
operation temperature	-10°C up to +55°C
protection class	IP 24 D
colour housing	red
material	plastics
dimensions (H x W x D)	93 mm x 89 mm x 59 mm

No. 32133	Wireless manual call point	F.DKM RCP 6B

- integrated sounder for the acoustic signalising of alarm and fault
- backup alarm function via the panel by means of bidirectional data exchange
- acoustic signalising of received alarms and faults of other detectors (function of the push-button detector can be switched on/off optionally)
- signalling alarm: LED red, sounder (continuous tone)/signalling fault: LED yellow, sounder (interval tone every 45 sec.)
- nominal current: typ. 45 µA
- power consumption alarm: typ. 50 mA
- acoustic low battery warning for 30 days
- life signs are sent regularly in order to keep up the control function of the radio distance

Technical data

operating voltage	6 V DC
responsivity	60°C
quiescent current	45 µA
alarm current	50 mA
frequency	433. 42 MHz
operation temperature	-10°C up to +55°C
colour housing	blue
material	plastics
dimensions (H x W x D)	120 mm x 120 mm x 31 mm

Wireless push-button detector with integrated wireless module for manual triggering of fire alarm at the fire control panel RCP 6B:

detectomat ®

www.detectomat.com

| No. 32135 | **Wireless input module** | **F.IB RCP 6B** |

Universal wireless input module for wired connection of (e.g.) a manual call point or a spring-button detector to wireless fire control panel RCP 6B:

- possibility of connecting a potential-free contact
- indication of the signal strength while programming
- transmission of low battery warning (Alkaline battery type IEC 6LR61) to the panel
- life signs are sent regularly in order to keep up the control function
- nominal current 15 µA

- power consumption sending: typ. 35 mA/ receiving: typ. 25 mA

Technical data

operating voltage	9 V DC
responsivity	60°C
quiescent current	max. 16 µA
alarm current	max. 20 mA
frequency	433. 42 MHz
operation temperature	-10°C up to +65°C
output relay	4 relais 50 V/0,5 A
humidity	max. 80 %
sound volume	85 dB/1 m
protection class	IP 20
colour housing	white
material	plastics
dimensions (H x ø)	70 mm x 80 mm

| No. 32134 | **Wireless sounder/beacon** | **F.ABM RCP 6B** |

Wireless sounder for direct triggering via wireless fire control panel RCP 6B in case of fire alarms:

- after plausibility check transmission of signals (fault, battery capacity) to the panel
- acoustic alarm: approx. 101 dB/1 m distance, tone changeover from 2400 to 2850 Hz/visual alarm: Xenon beacon, flash energy 0,7 joule/battery loss signal: approx. every 45 sec. a short flash

- life signs are sent regularly in order to keep up the control function of the radio distance

Technical data

operating voltage	6 V DC
quiescent current	48 µA
alarm current	150 mA
frequency	433. 42 MHz
operation temperature	-10°C up to +55°C
sound volume	101 dB
Protection class	IP 65
colour housing	red/white
material	plastics
dimensions (H x Ø)	93 mm x 121 mm

| No. 30964 | **Radio analyser** | **RCP 6B F.RA** |

Field Analyser for projection and object analysis including wireless test module for smoke detectors of the series HD