



PRODUCT CATALOGUE

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08

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## History

detectomat was founded in 1977 and became one of the most qualified smoke detector manufacturers in Germany. In 1999, detectomat was acquired by the JOB Group, the world leading manufacturer of thermal glass bulbs for sprinklers. 2003, the JOB Group also integrated their qualified supplier of control panels. detectomat has become an integrated system seller carrying the highly touted VdS mark with a complete smoke detection system out of one hand at competitive prices.

The management, the improved supplier and customer relations as well as research, competence and experience achieved a high level of worldwide appreciation: "The German detectomat smoke detector alarming system and the fire-fighting system is more sensitive, more accurate and more intelligent."

## Quality

detectomat is certificated to all new quality standards of the DIN EN ISO 9001. Extensive verify and test modalities as well as automated production flow assure a high quality standard of all products. A complete documentation of the quality of every product is guaranteed by the in the product integrated model identification. The settlements of the high claim of quality for all user of the system detect 3000 is guaranteed by our service and technical support center.

### features detectors system PL 3000:

- 126 devices per loop and a maximum length of 3,000m
- automatic or manual addressing of all loop 3000 elements
- recognition of short circuit and broken wire diagnostic software I-Check
- high reliability via different measurement procedures (O,T,OT,OTi,OTi Fusion, COBT)
- freely programmable detector sensitivities
- adjustable sensitivity for occupied and unoccupied periods
- T-branch and isolator function in every PL 330X element
- addressable radio loop extension
- variance in design

## contact

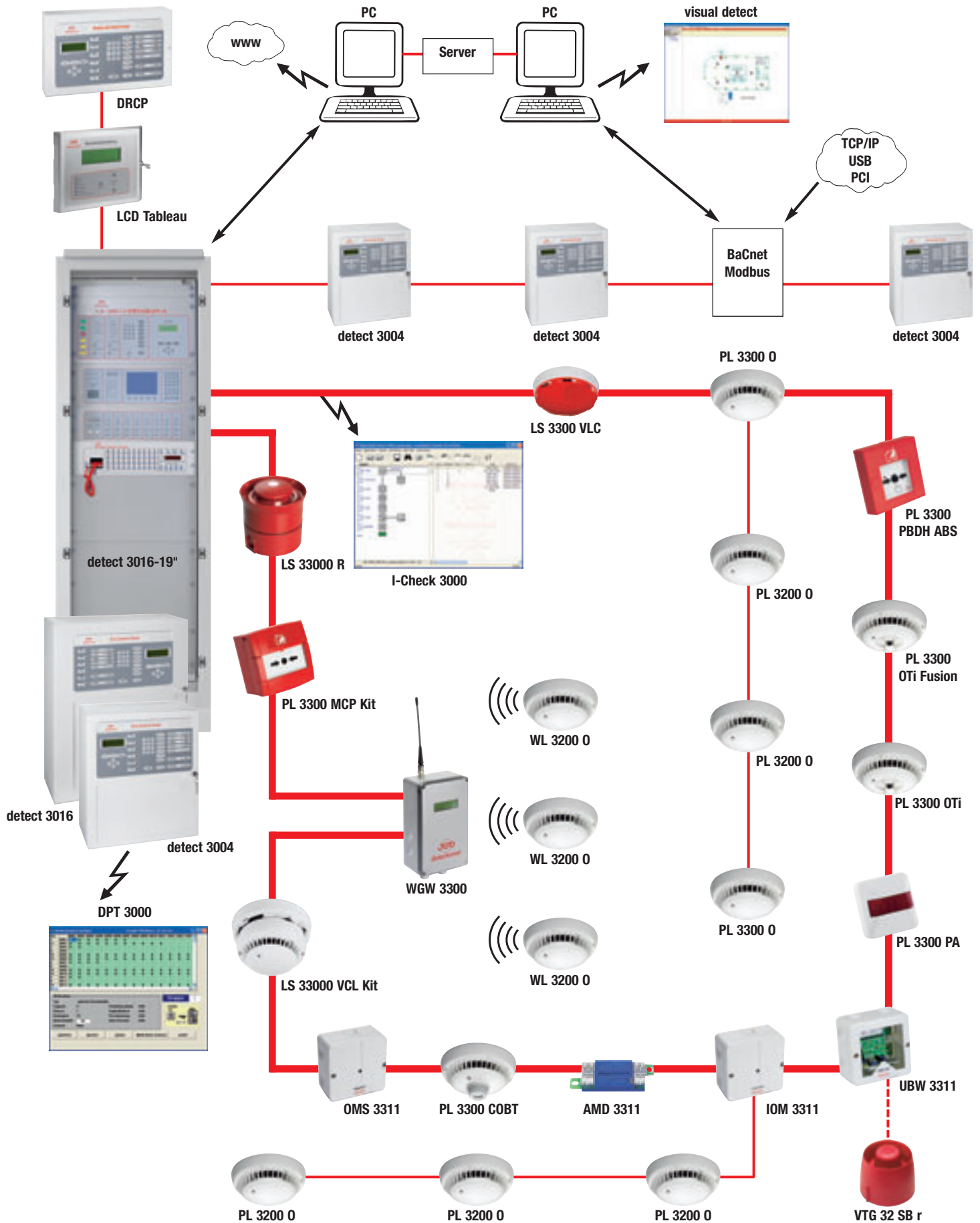
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# detectomat loop 3000 system



### detectomat loop 3000 system features

- wide range of applications
- modular microprocessor controlled fire control panels
- high level of system integration and customised functionality
- various language kits for international operations
- up to 16 x 126 loop devices
- max. loop length of 3000 m
- a range of different housings
- interfaces for LAN (Local Area Networks) connections or superior systems (ESPA 4.44)
- graphic displays of the bus structure with powerful I-check software
- extensive event-memory for system diagnostics
- alarm-management
- easiest system expansion
- interface for graphic displays and remote maintenance
- control and link time-switched operations
- international approvals and certifications



# 1. Fire Control Panels detect 3004

No. 31973	Fire control panel – up to 4 loops	detect 3004
No. 31972	Fire control panel shallow – up to 4 loops	detect 3004-shallow



detect 3004

detect 3004-shallow

Microprocessor controlled modular fire control panel for use with the loop 3000 fire detection system components:

- display- and control panel according EN 54 part 2
- 4 alphanumeric lines LC-display with backlight
- 2 slots for detector interface boards (max. to equip 4 loops or 16 conventional fire zones)
- 128 programmable detector zones
- 3 potential-free relay outputs (250 V/5 A)
- 9 open collector outputs (30 V/90 mA)
- monitored signal transmitter (400 mA)
- 2 x RS-232 interfaces for personal computer, printer, modem, building management system
- network compatible
- operation and event memory for 500 messages
- possibility via mounting panel to integrate a protocolprinter and LED indicator modules for zone alarm and zone fault indication
- power supply 72 W integrated

#### Technical data

input voltage	230 V AC (-15 %/+10 %)
frequency	50/60 Hz
operation voltage	21,0 up to 29,2 V DC
power supply	72 Watt

emergency power	
detect 3004	max. 2 x 12 V/26 Ah
detect 3004- shallow	max. 2 x 12 V/12 Ah


quiescent current	86 mA
alarm current	146 mA
interfaces	2 x RS-232, RS-422 (optional), bitbus (optional)
display	LCD 4 x 20 characters
output sounder	24 V DC/400 mA monitored
output external user	24 V DC/800 mA
output relay	3 change over 250 V/5 A
output open collector	9 open collector 30 V DC/90 mA
operation temperature	-5°C up to +40°C
humidity	max. 95 %
protection class	IP 30
colour housing	light grey, RAL 7035
colour front	tele grey, RAL 7046
material	sheet steel

dimension (H x W x D)	
detect 3004	490 mm x 420 mm x 210 mm
detect 3004 shallow	490 mm x 420 mm x 150 mm


EN	54-2
approvals	VdS S295054, LPCB, GOST further on request
weight	12,5 kg

# 1. Fire Control Panels detect 3004

<b>No. 31975</b>	<b>Language kit english</b>	<b>LK 3004 GB</b>
Language kit integrates English software, English description, English labelling.		<i>Additional languages available on request.</i>

<b>No. 30088</b>	<b>LED indicator module</b>	<b>CP ZM 8</b>
		<p>To plug into the detect 3004 fire control panel for zone alarm and zone fault indication:</p> <ul style="list-style-type: none"> <li>• 8 red and yellow LEDs for 8 zones</li> <li>• up to 6 units connectable in the front</li> <li>• 3 mA alarm current per zone</li> </ul>

<b>No. 32098</b>	<b>Loop interface active – 2 loops</b>	<b>DLI 3240P X1</b>
<b>No. 32254</b>	<b>Loop interface active – 1 loop</b>	<b>DLI 3240P X1 1L</b>

		<p>To plug into the detect 3004 fire control panel DLI 3240P X1 1L for one or DLI 3240P X1 for two loops with up to 126 loop 3000 components:</p> <ul style="list-style-type: none"> <li>• two-wire loop</li> <li>• 8 freely programmable open collector outputs</li> <li>• 2 open collector outputs 30 V DC/90 mA for alarm and fault</li> <li>• loop voltage 32 V DC, loop current 140 mA per loop</li> <li>• RS-232 interface for additional data monitoring</li> <li>• slot for optional redundant processor</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>20 up to 28 V DC</td> </tr> <tr> <td>quiescent current</td> <td>40 mA</td> </tr> <tr> <td>alarm current</td> <td></td> </tr> <tr> <td>DLI 3240P x11L</td> <td>max. 1 x 140 mA</td> </tr> <tr> <td>DLI 3240P x1</td> <td>max. 2 x 140 mA</td> </tr> <tr> <td>interfaces</td> <td></td> </tr> <tr> <td>DLI 3240P x11L</td> <td>1 x RS-232</td> </tr> <tr> <td>DLI 3240P x1</td> <td>1 x RS-232</td> </tr> <tr> <td>output open collector</td> <td>10 open collector output 30 V DC/90 mA</td> </tr> </table>	operation voltage	20 up to 28 V DC	quiescent current	40 mA	alarm current		DLI 3240P x11L	max. 1 x 140 mA	DLI 3240P x1	max. 2 x 140 mA	interfaces		DLI 3240P x11L	1 x RS-232	DLI 3240P x1	1 x RS-232	output open collector	10 open collector output 30 V DC/90 mA
operation voltage	20 up to 28 V DC																			
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interfaces																				
DLI 3240P x11L	1 x RS-232																			
DLI 3240P x1	1 x RS-232																			
output open collector	10 open collector output 30 V DC/90 mA																			

# 1. Fire Control Panels detect 3004

## No. 30210 Conventional interface for 8 fire zones



### CP CLI X1

To plug into the detect 3004 fire control panel for max. 8 conventional fire zones:

- maximum 25 automatic/10 non-automatic conventional detectors per fire zone connectable
- 8 freely programmable open collector outputs (30 V DC/90 mA)
- 3 open collector outputs (30 V DC/90 mA)
- slot for optional redundant processor

#### Technical data

operation voltage	20 up to 28 V DC
output open collector	11 open collector 30 V DC/90 mA
quiescent current	60 mA
alarm current	85 mA + 50 mA per zone output

## No. 30386 Adapter board for LED indicator module



### CP ADB 48

To plug into the fire control panel detect 3004 more than 4 LED indicator modules No. 30088:

- max. 6 alarm indicator zones available
- after 16 zones is required the adapter plate no. 30836

#### Technical data

dimension (H x W)	55 mm x 108 mm
switch off	zones 17-48

## No. 31946 Mounting plate



### CP MP 3004

Expansion mounting plate to plug into the fire control panel detect 3004 including front foil for 48 detector zones.

- mounting plate for maximum 6 LED indicator modules (CP ZM 8)
- provides facility for protocol printer (PIP 2)
- optional: protocol printer

#### Technical data

operation temperature	-5°C up to +40°C
switch off	228 mm x 365 mm

## 2. Fire Control Panels detect 3016

<b>No. 31989</b>	<b>Fire control panel – up to 16 loops</b>	<b>detect 3016</b>
<b>No. 31990</b>	<b>Fire control panel 19" – up to 16 loops</b>	<b>detect 3016-19"</b>



detect 3016

Microprocessor controlled modular fire control panel for use with the loop 3000 fire detection system components:

- display- and control panel according EN 54 part 2
- 4 alphanumeric lines LC-display with backlight
- max. to equip up to 16 loops or 64 conventional zones
- 192 programmable detector zones
- 3 potential-free relay outputs (250 V/5 A)

- 9 open collector outputs (30 V/90 mA)
- monitored signal transmitter (400 mA)
- 2 additional external outputs (24 V/800 mA)
- 2 x RS-232 interfaces for personal computer, printer, modem, building management system
- network compatible
- operation and event memory for 500 messages
- possibility via mounting panel to integrate a protocolprinter and LED indicator modules for zone alarm and zone fault indication
- power supply 192 W integrated

### Technical data

input voltage	230 V AC (-15 %/+10 %)
frequency	50/60 Hz
operation voltage	21,0 up to 29,2 V DC
power supply	192 Watt

emergency power	
detect 3016	max. 2 x 12 V/45 Ah
detect 3016-19"	max. 2 x 12 V/65 Ah

quiescent current	86 mA
alarm current	146 mA
interfaces	2 x RS-232, RS-422 (optional), bitbus (optional)
display	LCD 4 x 20 characters
output sounder	24 V DC/400 mA monitored
output external user	24 V DC/800 mA
output relay	3 change over 250 V/5 A
output open collector	9 open collector 30 V DC/90 mA
operation temperature	-5°C up to +40°C
humidity	max. 95 %
protection class	IP 30
colour housing	light grey, RAL 7035
colour front	tele grey, RAL 7046
material	sheet steel

dimension (H x W x D)	
detect 3016	750 mm x 600 mm x 240 mm
detect 3016-19"	19" 6HE

EN	54-2
approvals	VdS S295054, LPCB, NF, GOST, CCC
weigh detect 3016	30 kg

<b>No. 31992</b>	<b>Language kit english</b>	<b>LK 3016 GB</b>
Language kit integrates English software, English description, English labelling.		<i>Additional languages available on request.</i>

## 2. Fire Control Panels detect 3016

### No. 32099 Loop interface active redundant – 2 loop



### DLI 3240P X2-R

To plug into the detect 3016 fire control panel for max. two loops with up to 126 loop 3000 components:

- two-wire loop
- 8 freely programmable open collector outputs
- 2 open collector outputs 30 V DC/90 mA for alarm and fault
- loop voltage 32 V DC, loop current 140 mA per loop
- RS-232 interface for additional data monitoring
- redundant board processor unit to duplicate the functions

#### Technical data

operation voltage	20 up to 28 V DC
quiescent current	40 mA
alarm current	max. 2 x 140 mA
interfaces	1 x RS-232
output open collector	11 open collector output 30 V DC/90mA

### No. 30096 Conventional interface redundant 8 fire zones



### CP LI X2-R

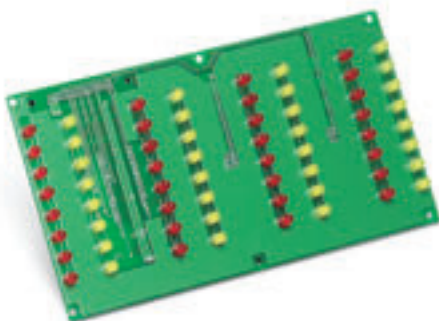
To plug into the fire control panel detect 3016 for max. 8 conventional fire control panel:

- maximum 25 automatic/10 non-automatic conventional detectors per fire zone connectable
- 8 freely programmable open collector outputs (30 V DC/90 mA)
- 3 open collector outputs (30 V DC/90 mA)
- redundant board processor unit to duplicate the functions

#### Technical data

operation voltage	20 up to 28 V DC
quiescent current	60 mA
alarm current	85mA+50mA per zone output
output open collector	11 open collector output 30 V DC/90mA

### No. 30098 LED indicator module



### CP ZM 32


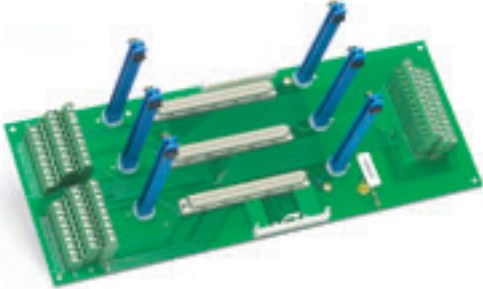
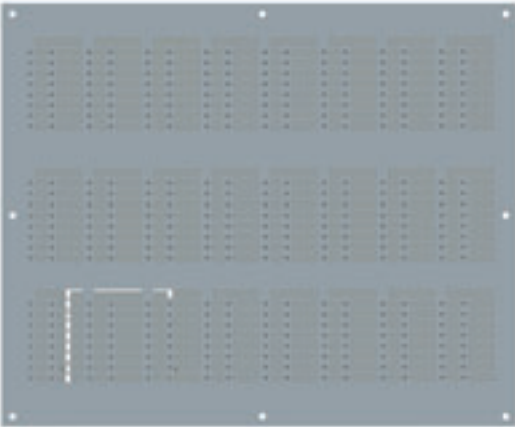
To plug into the detect 3016 fire control panel for zone alarm and zone fault indication:

- 32 fire zones on one module
- 1 red and 1 yellow LED per fire zone

#### Technical data

alarm current	3 mA per zone
operation temperature	-5°C up to +40°C
dimension (H x W)	108 mm x 193 mm

## 2. Fire Control Panels detect 3016

<b>No. 30927</b> <b>Ground circuit module</b>	<b>CP EM</b>										
	<p>To plug into the detect 3016 fire control panel for monitoring of the galvanic separation between ground potential and all secondary voltages, e.g. loop 3000, fire zones, monitoring outputs.</p> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>18 up to 30 V DC</td> </tr> <tr> <td>quiescent current</td> <td>approx. 7 mA</td> </tr> <tr> <td>alarm current</td> <td>max. 2 x 140 mA</td> </tr> <tr> <td>interfaces</td> <td>2 x RS-232</td> </tr> <tr> <td>output open collector</td> <td>fault output voltage: max. 29 V fault output current: max. 0,1A</td> </tr> </table>	operation voltage	18 up to 30 V DC	quiescent current	approx. 7 mA	alarm current	max. 2 x 140 mA	interfaces	2 x RS-232	output open collector	fault output voltage: max. 29 V fault output current: max. 0,1A
operation voltage	18 up to 30 V DC										
quiescent current	approx. 7 mA										
alarm current	max. 2 x 140 mA										
interfaces	2 x RS-232										
output open collector	fault output voltage: max. 29 V fault output current: max. 0,1A										
<b>No. 30097</b> <b>Extension module</b>	<b>CP ECB</b>										
	<p>To plug into the fire control panel detect 3016 up to 16 loops:</p> <ul style="list-style-type: none"> <li>• 3 slots for plugging in 2 additional loop-/conventional interfaces and 1 alarm module</li> <li>• max. 2 extension modules in one detect 3016 installable</li> </ul>										
<b>No. 31947</b> <b>Mounting plate</b>	<b>CP MP 3016</b>										
	<p>To plug into the fire control panel detect 3016 front for up to 192 detector zones and protocol printer, including front foil:</p> <ul style="list-style-type: none"> <li>• mounting plate for maximum 6 LED indicator modules</li> <li>• for mounting protocol printer PIP 2</li> <li>• zones can be identified by labelling</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation temperature</td> <td>-5°C up to +40°C</td> </tr> <tr> <td>material</td> <td>sheet steel</td> </tr> <tr> <td>dimension (H x W)</td> <td>400 mm x 483 mm</td> </tr> </table> <p><i>Remarks: for installing a printer, a LED indicator module with max. 160 LED's possible</i></p>	operation temperature	-5°C up to +40°C	material	sheet steel	dimension (H x W)	400 mm x 483 mm				
operation temperature	-5°C up to +40°C										
material	sheet steel										
dimension (H x W)	400 mm x 483 mm										
<b>No. 30164</b> <b>19"-Mounting plate</b>	<b>MP-1 19"</b>										
<p>To plug into the fire control panel detect 3016 front for up to 192 detector zones and protocol printer, including front foil:</p> <ul style="list-style-type: none"> <li>• mounting plate for maximum 6 LED indicator modules</li> <li>• for mounting protocol printer PIP 2</li> <li>• zones can be identified by labelling</li> </ul>	<p><b>Technical data</b></p> <table border="1"> <tr> <td>operation temperature</td> <td>-5°C up to +40°C</td> </tr> <tr> <td>material</td> <td>sheet steel</td> </tr> <tr> <td>dimension (H x W)</td> <td>878 mm x 485 mm</td> </tr> </table>	operation temperature	-5°C up to +40°C	material	sheet steel	dimension (H x W)	878 mm x 485 mm				
operation temperature	-5°C up to +40°C										
material	sheet steel										
dimension (H x W)	878 mm x 485 mm										

**No. 32066** Monitored module for 4 outputs

**SC 4**



To add to the fire control panels of the system detect 3000:

- externally powered via the fire control panel
- maximum 600 mA per output
- 4 jumpers “acoustics on/off option” to control the noise of the outputs
- 4 output channels with 24 V for all kind of signalling devices
- 1 general alarm input to activate all outputs
- housing for plugging in on DIN rails

**Technical data**

operation voltage	21 up to 37 V DC
quiescent current	90 mA
alarm current	0,5 up to 2,6 A
dimension (H x W x D)	125 mm x 130 mm x 70 mm

**No. 30118** Monitored module for 8 outputs

**SC 8**



To add to the fire control panels of the system detect 3000:

- 8 monitored alarm outputs (24 V DC/400 mA) for signalling devices (separately fused)
- 8 open collector outputs for LED indicators
- 8 alarm inputs to activate the selected output
- 8 manually switched inputs
- 1 general alarm input to activate all outputs
- externally powered 24 V DC/max. 3,2 A

**Technical data**

operation voltage	21 up to 28 V DC
quiescent current	58 mA
open collector output	12 outputs 24 V DC/90 mA
alarm current	0,5 up to 2,6 A
dimension (H x W x D)	125 mm x 130 mm x 70 mm

**No. 30077** Relay board 8 change over

**RB 8**



To add to the fire control panels of the system detect 3000:


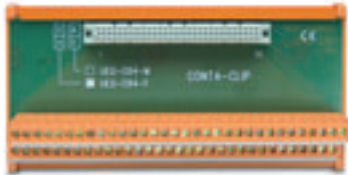


- 8 potential-free output relays, change over contact
- 8 inputs controlled by the fire control panel
- 8 LED's to display the current operation status
- mountable on C-rails 35 mm in the panel
- housing for plugging in on DIN rails


**Technical data**

operation voltage	21 up to 28 V DC
quiescent current	5 mA
alarm current	30 mA per relay
relay output	8 x change over 250 V/5A
dimension (H x W x D)	125 mm x 110 mm x 60 mm

## 3. Accessories

### 3.1 Accessories detect 3004 / detect 3016

<b>No. 30115</b> Control module	<b>CP AM 32</b>												
<p>With 32 open collector outputs for installation in the fire control panels of the system detect 3000:</p> 	<ul style="list-style-type: none"> <li>• 32 open collector outputs (24 V DC/90 mA) for detector zones</li> <li>• all outputs are freely programmable</li> <li>• up to 6 boards usable in FCP detect 3016</li> <li>• up to 24 outputs usable in FCP detect 3004</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>21 up to 28 V DC</td> </tr> <tr> <td>quiescent current</td> <td>30 mA</td> </tr> <tr> <td>open collector output</td> <td>32 outputs 24 V DC/90 mA</td> </tr> <tr> <td>alarm current</td> <td>0,5 up to 2,6 A</td> </tr> </table>	operation voltage	21 up to 28 V DC	quiescent current	30 mA	open collector output	32 outputs 24 V DC/90 mA	alarm current	0,5 up to 2,6 A				
operation voltage	21 up to 28 V DC												
quiescent current	30 mA												
open collector output	32 outputs 24 V DC/90 mA												
alarm current	0,5 up to 2,6 A												
<b>No. 30116</b> Connection board for alarm module	<b>CP AM AP</b>												
	<p>Connecting printed circuit board (PCB) for alarm module CP AM 32 (No. 30115) for use outside the fire control panel:</p> <ul style="list-style-type: none"> <li>• housing for plugging in on DIN rails</li> <li>• connectable via housing on DIN rails 35 mm</li> <li>• dimensions (H x W x D): 88 mm x 175 mm x 70 mm</li> </ul>												
<b>No. 30106</b> Mount in printer	<b>PIP 2</b>												
	<ul style="list-style-type: none"> <li>• thermo printer with 24 characters</li> <li>• 58 mm paper width</li> <li>• integrated printer memory of 8 RAM</li> <li>• directly connectable via fire control panel's interface RS-232</li> <li>• powered via fire control panel</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>21 up to 28 V DC</td> </tr> <tr> <td>quiescent current</td> <td>12 mA</td> </tr> <tr> <td>alarm current</td> <td>100 mA</td> </tr> <tr> <td>operation temperature</td> <td>-5°C up to +40°C</td> </tr> <tr> <td>protection class</td> <td>IP 30</td> </tr> <tr> <td>dimension (H x W x D)</td> <td>115 mm x 115 mm x 80 mm</td> </tr> </table>	operation voltage	21 up to 28 V DC	quiescent current	12 mA	alarm current	100 mA	operation temperature	-5°C up to +40°C	protection class	IP 30	dimension (H x W x D)	115 mm x 115 mm x 80 mm
operation voltage	21 up to 28 V DC												
quiescent current	12 mA												
alarm current	100 mA												
operation temperature	-5°C up to +40°C												
protection class	IP 30												
dimension (H x W x D)	115 mm x 115 mm x 80 mm												
<p>To expand the front of the fire control panel (detect 3004/ detect 3016) with a printer:</p>													
<b>No. 32312</b> Independent control unit	<b>AB 320 english</b>												
	<p>AB 320 control display transmit information though DT-Loop and detectomat fire control panel, information display, keyboard input, fire alarm, breakdown, linkage display, acoustics indicate, information print, ect.:</p> <ul style="list-style-type: none"> <li>• through RS-232 link computer forming CRT display an link net through bitbus system</li> <li>• information could be shared by other control panels, many displays could be on one control panel</li> <li>• rated voltage 24 V</li> <li>• dimension of display screen: 5.7 inch (320 mm x 240 mm)</li> <li>• dimension of overall (W x H): 482,6 mm x 178 mm (standard H)</li> </ul>												

No. 32311	Interface control unit	DT Loop Card										
		<p>Intelligent Interface for use in between DLI 3240 (P) and AB 320:</p> <ul style="list-style-type: none"> <li>• monitored alarm and fault information of DLI 3240 CAN</li> <li>• two bus protocols for connection (Interface: VAN BUS and I2C)</li> <li>• internal memory 512k EEPROM up to 2048 loop components could be programmed</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>20 up to 30 V DC</td> </tr> <tr> <td>quiescent current</td> <td>20 mA</td> </tr> <tr> <td>alarm current</td> <td>100 mA</td> </tr> <tr> <td>operation temperature</td> <td>0°C up to +40°C</td> </tr> <tr> <td>dimension (H x W x D)</td> <td>220 mm x 150 mm x 2 mm</td> </tr> </table> <p><i>Remarks: one DT Loop Card connect of DLI 3240 CAN with 16 loops</i></p>	operation voltage	20 up to 30 V DC	quiescent current	20 mA	alarm current	100 mA	operation temperature	0°C up to +40°C	dimension (H x W x D)	220 mm x 150 mm x 2 mm
operation voltage	20 up to 30 V DC											
quiescent current	20 mA											
alarm current	100 mA											
operation temperature	0°C up to +40°C											
dimension (H x W x D)	220 mm x 150 mm x 2 mm											

No. 32118	Display remote and control panel	RDCP
No. 32119	Display remote and control panel – 19"	RDCP – 19"



To expand the detect 3000 fire detection network, basic version, wall mount housing or 19" version without power supply:

- incl. bitbus interface for interlink connection
- 128 programmable detector zones
- 3 potential-free relay outputs (250 V / 5 A)
- 9 open collector outputs (30 V/90 mA)
- monitored signal transmitter (400 mA)
- 2 x RS-232 interfaces for personal computer and printer
- externally powered via fire control panel or power supply
- it is essential to have a separate master display and control panel ABF in the bitbus network
- control panel and power supply consist of detect 3004 shallow and language kit master or slave




#### Technical data


operation voltage	21,0 up to 29,2 V DC
power supply	72 Watt
emergency power	max. 2 x 12 V/12 Ah
quiescent current	132 mA
alarm current	192 mA
interfaces	2 x RS-232, RS-422 (optional), bitbus (optional)
display	LCD 4 x 20 characters
output sounder	24 V DC/400 mA monitored
output external user	24 V DC/800 mA
output relay	3 change over 250 V/5 A
output open collector	9 open collector 30 V DC/90 mA
operation temperature	-5°C up to +40°C
humidity	max. 95 %
protection class	IP 30
colour housing	light grey, RAL 7035
colour front	tele grey, RAL 7046
material	sheet steel
dimension (H x W x D)	
RDCP	262 mm x 420 mm x 83 mm
RDCP 19"	6HE x 19" x 83 mm
DIN-EN	54-2
weigh	6 kg


No. 32040	Master language kit english	LK RDCP M GB
<p>To equip a display- and control panel with software and language:</p> <ul style="list-style-type: none"> <li>• integrates English software, description and labelling</li> </ul>		<p><i>Additional languages available on request.</i></p>


## 3. Accessories

### 3.2 Network Components

<b>No. 32296</b> <b>Slave language kit english</b>	<b>LK RDCP S GB</b>								
<p>Upgrade of a fire control panel of the system detect 3000 as display- and control panel in the network:</p> <ul style="list-style-type: none"> <li>• integrates English software, description and labelling</li> </ul>	<p><i>Additional languages available on request.</i></p>								
<b>No. 30087</b> <b>Bitbus interface</b>	<b>CP BBI</b>								
	<p>To expand the fire control panel to interlink several fire control panels, control- and display panels:</p> <ul style="list-style-type: none"> <li>• to build up a fire control panel network up to 63 bitbus components</li> <li>• via 4-wired interface distances up to 1.200 m (3,900 feet) possible</li> <li>• data rate maximal 62,5/375 kBd</li> </ul>								
<b>No. 32257</b> <b>Bitbus interface PCI</b>	<b>IPC BIT900-PCI</b>								
	<p>To connect one computer to the fire control system detect 3000 network:</p> <ul style="list-style-type: none"> <li>• connection of the visualisation system visual detect</li> <li>• PCI slot plug-in card with isolated bitbus-interface</li> <li>• for the Windows®-operating system 2000 and XP Vista projected)</li> <li>• supports repeater functions</li> <li>• bitbus rate: 62,5 and 375 kBit</li> </ul> <p><b>Technical data</b></p> <table border="1" data-bbox="810 1339 1433 1402"> <tr> <td>operation voltage</td> <td>5 V DC via PCI Bus and computer</td> </tr> <tr> <td>interfaces</td> <td>PCI, bitbus DB9M and DB9F</td> </tr> </table>	operation voltage	5 V DC via PCI Bus and computer	interfaces	PCI, bitbus DB9M and DB9F				
operation voltage	5 V DC via PCI Bus and computer								
interfaces	PCI, bitbus DB9M and DB9F								
<b>No. 32258</b> <b>Bitbus interface USB</b>	<b>USB BIT</b>								
	<p>To connect one computer to the fire control system detect 3000 network:</p> <ul style="list-style-type: none"> <li>• connection gateway for the visualisation system visual detect</li> <li>• compact USB-box with isolated bitbus interface</li> <li>• for the Windows®-operating system 2000 und XP (Vista projected)</li> <li>• supports no repeater functions</li> <li>• bitbus rate: 62,5 and 375 kBit</li> <li>• incl. USB 2.0 cable with connector A &amp; B</li> </ul> <p><b>Technical data</b></p> <table border="1" data-bbox="810 1899 1433 2020"> <tr> <td>operation voltage</td> <td>5 V DC/500 mA via USB Bus</td> </tr> <tr> <td>interfaces</td> <td>PCI, bitbus DB9M and DB9F</td> </tr> <tr> <td>dimension (H x W x D)</td> <td>USB, bitbus DB9F</td> </tr> <tr> <td></td> <td>115 mm x 57 mm x 20 mm</td> </tr> </table>	operation voltage	5 V DC/500 mA via USB Bus	interfaces	PCI, bitbus DB9M and DB9F	dimension (H x W x D)	USB, bitbus DB9F		115 mm x 57 mm x 20 mm
operation voltage	5 V DC/500 mA via USB Bus								
interfaces	PCI, bitbus DB9M and DB9F								
dimension (H x W x D)	USB, bitbus DB9F								
	115 mm x 57 mm x 20 mm								

<b>No. 32259</b> <b>Bitbus ethernet gateway</b>	<b>ETH BIT/R</b>						
	<p>To connect one computer to the fire control system detect 3000 network, mounting on top snap rail:</p> <ul style="list-style-type: none"> <li>• connection gateway for the visualisation system visual detect</li> <li>• mounting-rate module with bitbus interface</li> <li>• for the Windows®-operating system 2000 und XP (Vista projected)</li> <li>• supports no repeater functions</li> <li>• bitbus-clock rate: 62,5 and 375 kBit</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>24 V DC (from FCP)</td> </tr> <tr> <td>interfaces</td> <td>10/100 MBit, bitbus DB9F</td> </tr> <tr> <td>dimension (H x W x D)</td> <td>140 mm x 118 mm x 45 mm</td> </tr> </table>	operation voltage	24 V DC (from FCP)	interfaces	10/100 MBit, bitbus DB9F	dimension (H x W x D)	140 mm x 118 mm x 45 mm
operation voltage	24 V DC (from FCP)						
interfaces	10/100 MBit, bitbus DB9F						
dimension (H x W x D)	140 mm x 118 mm x 45 mm						

<b>No. 32260</b> <b>Bitbus ethernet gateway</b>	<b>ETH BIT</b>						
	<p>To connect the computer to the fire control system detect 3000 network, wall-mounting:</p> <ul style="list-style-type: none"> <li>• connection of the visualisation system visual detect</li> <li>• on-wall socket 9 x 13 with bitbus-interface</li> <li>• for the Windows®-operating system 2000 und XP (Vista projected)</li> <li>• supports no repeater functions</li> <li>• bitbus-clock rate: 62,5 and 375 kBit</li> <li>• connection bitbus-termining for operation at the start and at the end of the circuit is possible</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>24 V DC (from FCP)</td> </tr> <tr> <td>interfaces</td> <td>10/100 MBit Ethernet LSA, bitbus spring-clamp-detector</td> </tr> <tr> <td>dimension (H x W x D)</td> <td>140 mm x 118 mm x 45 mm</td> </tr> </table>	operation voltage	24 V DC (from FCP)	interfaces	10/100 MBit Ethernet LSA, bitbus spring-clamp-detector	dimension (H x W x D)	140 mm x 118 mm x 45 mm
operation voltage	24 V DC (from FCP)						
interfaces	10/100 MBit Ethernet LSA, bitbus spring-clamp-detector						
dimension (H x W x D)	140 mm x 118 mm x 45 mm						

<b>No. 32269</b> <b>Bitbus-repeater bidirectional</b>	<b>BBR</b>								
 <p>Bidirectional repeater for the bitbus RS-485-Repeater for application in the following cases:</p>	<ul style="list-style-type: none"> <li>• extension of the maximum cable length of 1200 m</li> <li>• connection of branch lines</li> <li>• built-in ferrule resistors for the slave-segment</li> <li>• operation status via LEDs (power supply, green/sending from slave-segment: RTS, yellow)</li> <li>• three DB9-connectors, two for the master-segment and one for the slave-segment</li> <li>• 3-pole plug-in screw clamp for 24 V-power supply and earth</li> <li>• respectively</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>24 V DC</td> </tr> <tr> <td>current consumption</td> <td>100 mA</td> </tr> <tr> <td>interfaces</td> <td>3 x bitbus</td> </tr> <tr> <td>dimension (H x W x D)</td> <td>151 mm x 64 mm x 48 mm</td> </tr> </table>	operation voltage	24 V DC	current consumption	100 mA	interfaces	3 x bitbus	dimension (H x W x D)	151 mm x 64 mm x 48 mm
operation voltage	24 V DC								
current consumption	100 mA								
interfaces	3 x bitbus								
dimension (H x W x D)	151 mm x 64 mm x 48 mm								

## 3. Accessories

### 3.2 Network Components

No. 30119 Bitbus CPU



BB-CPU

Separate intelligent unit to control outputs in the bitbus network without using fire control panels:

- up to 8 extensions art.-no. 30120/30122 connectable
- maximum 61 units in one bitbus network usable
- housing for plugging in on DIN rails
- outputs freely programmable
- externally powered (24 V DC)

#### Technical data

operation voltage	21 up to 28 V DC
quiescent current	175 mA
alarm current	150 mA
interfaces	bitbus/RS 232
dimension (H x W x D)	125 mm x 133 mm x 58 mm

No. 30120 Extension for bitbus OC



BB-32

Module to extend the bitbus CPU:

- with 32 open collector outputs (24 V DC/90 mA)
- housing for plugging in on DIN rails
- up to 8 units on one bitbus CPU usable
- connection cable art. 55126 is necessary for each unit

#### Technical data

operation voltage	21 up to 28 V DC
quiescent current	17 mA
alarm current	max. 320 mA
output open collector	32 (24 V DC/90 mA)
dimension (H x W x D)	125 mm x 163 mm x 60 mm

No. 30122 Extension for bitbus relay



BB-16

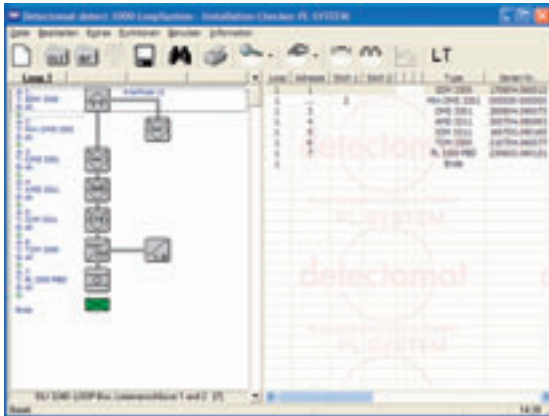
Module to extend the bitbus CPU:

- housing for snap on DIN rails
- up to 8 units on one bitbus CPU usable
- 3 relays 30V/2A
- connection cable No. 55126 is necessary for each unit

#### Technical data

operation voltage	21 up to 28 V DC
quiescent current	16 mA
alarm current	max. 320 mA
output relay	with 16 relay outputs (30 V DC/2 A)
dimension (H x W x D)	125 mm x 163 mm x 60 mm

**No. 30501 I-Check software**



Loop configuration and test software:

**I-Check 3000**

- loop diagnostics and the location of failures are automatically displayed in a graphic of the loop 3000 devices
- graphical representation of the loop structure via software
- the loop devices are constantly analysed and the analogue values are displayed
- graphical display of the analogue values of smoke, contamination, temperature, loop-voltage and temperature-compensation
- display of detector-type, serial-number, detector-zone with number, free customer text
- all data can be exported in Excel or Word files
- extensive print functions of graphics and charts
- configuration for all loop devices (algorithms, sensitivities, etc.)
- Windows based user interface
- software runs on required Windows® 98, 2000 or XP
- supported by loop tester LT 3000
- data medium CD-ROM

**No. 30136 detectomat programming tool**



**DPT 3000**

Configuration software for fire control panels of the system detect 3000, the remote control panel and the bitbus CPU network:

- programming of the fire control panel
- network-configuration
- supported by remote maintenance
- software-expansion-dongle No. 30137
- Windows user interface
- software runs on required Windows® 98, 2000 or XP
- data medium CD-ROM

**No. 31482 Easy Check**



**EC 3000**

Manual addressing and programming tool for all loop 3000 devices:


- battery-operated stand-alone unit
- bilingual German/English
- 4 rows with backlight LC-display
- keypad
- integrated detector base
- separate connection for loop modules and manual call points
- read-out and changing of the addresses and grades of
- sensitivity of all loop 3000 elements
- copy-function for device replacement
- automatic switch-off if not in use to save batteries
- automatic lighting
- low battery warning
- acoustic confirmation in case of keystroke and warning
- acoustic confirmation can be switched off

## 3. Accessories

### 3.3 Programming tools and software

<b>No. 31625</b> Loop-Tester	<b>LT 3000</b>  Loop testing tool for all loop 3000 installations, independently usable without panel installation: <ul style="list-style-type: none"><li>• test and programming tool for one loop</li><li>• direct connection to the personal computer</li><li>• loop diagnostics and the location of failures are automatically</li><li>• graphical representation of the loop structure via software</li><li>• the loop devices are constantly analysed and the analogue values are displayed</li><li>• graphical display of the analogue values of smoke, contamination, temperature, loop-voltage and temperature compensation</li><li>• display of detector type, serial number, detector zone with number, free customer text</li><li>• all data can be exported in Excel or Word files</li><li>• extensive print-functions of graphics and charts</li><li>• configuration for all loop devices (algorithms, sensitivities, etc.)</li><li>• Windows based user interface</li><li>• the software runs on Windows® 98, 2000 or XP</li></ul>
<b>No. 30143</b> Visual detect basic software	<b>VD Basic 11</b>  Basic visualization software kit for detectomat fire control systems, basis software for one fire control panel and one workstation: <ul style="list-style-type: none"><li>• runs under Windows® 2000/XP</li><li>• network compatible (server-client-principle)</li><li>• modular structure of the software</li><li>• full graphic visualization</li><li>• simulation tool (to test the detectors and the programmed system connections)</li><li>• freely definable alarm management, procedure-plans</li><li>• option for automatic execution of procedure-plans</li><li>• German/English/Russian/Spanish multilingual</li><li>• print function (e.g. print of fire brigade routing card, unit location plans)</li><li>• system consists of a development and runtime interface</li><li>• help function for development and runtime interface</li><li>• password can be modified in the log-on window</li><li>• data-codification between server and clients</li><li>• detector data can be generated and read-in via the dpt-programming tool</li><li>• full functionality within the system in one host without an active connection to a bitbus network</li><li>• all simulated messages and their execution are recorded and can be analysed and retrieved with a filter</li><li>• own projects are programmable, incl. scanning of unit location plans, routing cards, places of addressed detectors and creation of procedure-briefings</li><li>• comprehensive operator and rights management</li><li>• different user hierarchies can be created within the software by assigning individual rights</li><li>• connection via bitbus (USB module, PCI card)</li><li>• location-independent system (TCP/IP protocol)</li></ul>



<b>No. 32668</b>	<b>Visual detect basis SW kit</b>	<b>VD smart</b>						
		<p>Fire control visualisation kit for detectomat fire control systems, basis software VD Basic 11 for a fire control panel and one workstation, incl. bitbus-interface USB-BIT (No. 32258):</p> <ul style="list-style-type: none"> <li>• included in delivery CD single licence VD Basic 11, VD operation expansion VD CE 1, bitbus interface USB-BIT, CD and licence dongle</li> <li>• no licence extension possible</li> </ul>						
<b>No. 30144</b>	<b>Visual detect user expansion</b>	<b>VD UE 1</b>						
<p>For the expansion of detectomat fire control systems (1 more workstation/user each):</p>		<ul style="list-style-type: none"> <li>• possibility to work in the network</li> <li>• messages notification and "send messages"</li> <li>• operator specific classified messages and rights possible</li> </ul>						
<b>No. 30145</b>	<b>Visual detect expansion panel</b>	<b>VD PE 1</b>						
<p>For the expansion of detectomat fire control systems (1 more workstation/user each):</p>		<ul style="list-style-type: none"> <li>• a maximum of 20 units can be managed</li> <li>• operator specific classified messages and rights possible</li> </ul>						
<b>No. 30146</b>	<b>Visual detect operation expansion</b>	<b>VD CE 1</b>						
<p>License kit for the remote control function expansion via visualisation software.</p>								
<b>No. 32310</b>	<b>Universal programming set</b>	<b>UPC</b>						
<p>The cable is a RS-232 serial cable where the transmit and receive lines are crosslinked. This 6ft cable has a DB9 female connector on each end. A direct electronic data interchange between fire control panel and PC interfaces is possible. Including gender changer.</p>		<p><b>Technical data</b></p> <table border="1"> <tr> <td>connection</td> <td>9pol. D-SUB-female jack &lt;--&gt; 9pol. D-SUB-male jack</td> </tr> <tr> <td>colour cable</td> <td>grey</td> </tr> <tr> <td>cable length</td> <td>1800 mm</td> </tr> </table>	connection	9pol. D-SUB-female jack <--> 9pol. D-SUB-male jack	colour cable	grey	cable length	1800 mm
connection	9pol. D-SUB-female jack <--> 9pol. D-SUB-male jack							
colour cable	grey							
cable length	1800 mm							
<b>No. 32313</b>	<b>Hardlock FCP</b>	<b>HL</b>						
<p>Hardlock protects the FCP of unauthorised programming in conjunction with the detectomat programming tool.</p>								


# System 3000 Detectors


Early and reliable fire detection of high performance

Innovative technologies and highest functionality with a wide range of features

- loop length of 3.000 m
- 126 devices per loop
- automatic addressing
- easy soft addressing
- high reliability measurement system
- automatic threshold adjusting
- programmable sensitivity levels
- multichamber and algorithm analyzing FUSION and HUMITEC
- fastest detection without false alarm
- T-branch and open collector output (OC)
- international approvals and certifications



<b>No. 32149</b>	<b>Multisensor optical/thermal</b>	<b>PL 3300 OTi Fusion</b>																														
 <p>Intelligent optical and thermal detector for loop 3000, for earliest fire detection in environments with difficult ambient conditions, according to EN 54-5/7:</p> <ul style="list-style-type: none"> <li>• highly functional detection system for loop 3000</li> <li>• highest operational reliability thanks to intelligent connection of thermal and optical sensor signals via algorithms</li> <li>• integrated measuring system and algorithm for bedewing identification/-compensation (Humitec®)</li> <li>• display of the fire control panel temperature profile</li> <li>• alarm output for triggering a detector indication</li> <li>• detector sensitivities automatical adjustable as well as freely programmable</li> <li>• optical measurement according to the Tyndall principle</li> <li>• detection of smallest smoke particles and early-stagefires by using the wide banded white light in the wave length of 380 nm</li> <li>• e of 380 nm up to 750 nm (Fusion®-technology)</li> <li>• exact detection and compensation of contamination by an independent second measuring channel</li> </ul>		<ul style="list-style-type: none"> <li>• intelligent analysis and suppression mode for cigarette smoke (disturbance variables)</li> <li>• intermittent implementation of an authentic sensor test</li> <li>• programmable attendance and absence via individually selectable sensitivity</li> <li>• last maintenance event storage</li> <li>• automatic and manual addressing on the loop 3000</li> <li>• failure monitoring of the measurement signal chamber and loop 3000 electronics</li> <li>• mode for adapting to environmental conditions</li> <li>• integrated isolator and t-branch (spur) facility</li> <li>• multicolour LED for alarm (red) and fault (yellow)</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operating voltage</td> <td>15 up to 30 V loop powered</td> </tr> <tr> <td>quiescent current</td> <td>250 µA</td> </tr> <tr> <td>alarm current</td> <td>5 mA</td> </tr> <tr> <td>sensitivity</td> <td>5 levels adjustable</td> </tr> <tr> <td>operation temperature</td> <td>-10°C up to +60°C</td> </tr> <tr> <td>output open collector</td> <td>max. 10 mA for LED indicators or piezo base</td> </tr> <tr> <td>humidity</td> <td>max. 95% RH/40°C</td> </tr> <tr> <td>protection class</td> <td>IP 30</td> </tr> <tr> <td>colour housing</td> <td>white, similar to RAL 9003</td> </tr> <tr> <td>material</td> <td>ABS</td> </tr> <tr> <td>DIN-EN</td> <td>54-7, 54-5</td> </tr> <tr> <td>further approvals</td> <td>BMA 06/0625-A, 2006277-SW</td> </tr> <tr> <td>dimensions (H x ø)</td> <td>52 mm x 100 mm</td> </tr> <tr> <td>air speed</td> <td>max. 20 m/s</td> </tr> <tr> <td>approval</td> <td>submitted</td> </tr> </table>	operating voltage	15 up to 30 V loop powered	quiescent current	250 µA	alarm current	5 mA	sensitivity	5 levels adjustable	operation temperature	-10°C up to +60°C	output open collector	max. 10 mA for LED indicators or piezo base	humidity	max. 95% RH/40°C	protection class	IP 30	colour housing	white, similar to RAL 9003	material	ABS	DIN-EN	54-7, 54-5	further approvals	BMA 06/0625-A, 2006277-SW	dimensions (H x ø)	52 mm x 100 mm	air speed	max. 20 m/s	approval	submitted
operating voltage	15 up to 30 V loop powered																															
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DIN-EN	54-7, 54-5																															
further approvals	BMA 06/0625-A, 2006277-SW																															
dimensions (H x ø)	52 mm x 100 mm																															
air speed	max. 20 m/s																															
approval	submitted																															

<b>No. 30301</b>	<b>Detector base standard</b>	<b>SDB 3000 white</b>
		<p>Standard base for all detectors of the series loop 3000:</p> <ul style="list-style-type: none"> <li>• including LED indicator connection</li> <li>• space for additional modules</li> </ul> <p><i>Remarks: Accessories for smoke detectors chapter 4.1 Accessories.</i></p>

<b>No. 31959</b>	<b>Detector base standard bridged</b>	<b>SDBB 3000 white</b>						
<p>Standard detector base for all detectomat detectors of the series loop 3000 with integrated bridge for loop:</p> <ul style="list-style-type: none"> <li>• including LED indicator connection</li> <li>• in the absence of the detector the function of the loops operated</li> <li>• minus contacts are bridged in non-operative condition</li> </ul>		<p><b>Technical data</b></p> <table border="1"> <tr> <td>operation temperature</td> <td>-10°C up to +60°C</td> </tr> <tr> <td>material</td> <td>ABS</td> </tr> <tr> <td>dimensions (H x ø)</td> <td>20 mm x 95 mm</td> </tr> </table>	operation temperature	-10°C up to +60°C	material	ABS	dimensions (H x ø)	20 mm x 95 mm
operation temperature	-10°C up to +60°C							
material	ABS							
dimensions (H x ø)	20 mm x 95 mm							

## 4. Fire Detectors

### 4.1 loop 3000 Addressable Fire Detectors

#### No. 32150 Multisensor optical/thermal, isolator



Intelligent optical and thermal detector for loop 3000, for earliest fire detection in environments with difficult ambient conditions, according to EN 54-5/7:

- highly functional detection system for loop 3000
- highest operational reliability with intelligent connection of thermal and optical sensor signals via algorithms

#### PL 3300 OTi

- integrated measuring system and algorithm for bedewing
- identification/-compensation (Humitec®)
- alarm output for triggering a detector indication
- detector-sensitivity is freely programmable
- different sensitivities are programmable for day and night periods
- a log of a last maintenance event is stored
- integrated isolator and t-branch (spur) facility
- multicolour LED for alarm (red) and fault (yellow)

#### Technical data

quiescent current	250 µA
alarm current	5 mA
operating voltage	15 up to 30 V loop powered
sensitivity	5 levels adjustable
operation temperature	-10°C up to +60°C
Humidity	max. 95% RH/40°C
protection class	IP 30
DIN-EN	54-7, 54-5
further approvals	BMA 06/0625-A, 2006277-SW
dimensions (H x Ø)	52 mm x 100 mm
air speed	max. 20 m/s
approval	submitted

#### No. 30079 CO gas and heat detector, isolator



Intelligent multisensor detector for loop 3000, for carbon monoxide gas, 2 thermal sensors and bidirectional isolator, according to EN 54-5:

- addressable spur connection via T-branch
- temperature measurement via highly sensitive sensors

#### PL 3300 COBT

- superior operational reliability from intelligent analysis of the sensor signals
- fault monitoring for sensor signal and thermal sensor
- alarm analysis with professional carbon monoxide sensors
- independent carbon monoxide measurement
- maximum and rate of rise analysis with thermal sensor technology
- a log of the last maintenance date is stored
- alarm output for triggering a detector indication
- multicolour-LED for alarm (red) and fault (yellow)
- integrated buzzer for CO-alarm

#### Technical data

quiescent current	600 µA
alarm current	5 mA
operating voltage	15 up to 30 V loop powered
operation temperature	-10°C up to +60°C
humidity	max. 95% RH/40°C
protection class	IP 30
DIN-EN	54-5
dimensions (H x Ø)	58 mm x 100 mm
air speed	max. 20 m/s

## 4. Fire Detectors

### 4.1 loop 3000 Addressable Fire Detectors

<b>No. 30007</b>	<b>Optical smoke and heat detector</b>	<b>PL 3200 OT</b>	<b>VdS G205052</b>
<b>No. 30021</b>	<b>Optical smoke and heat detector, isolator</b>	<b>PL 3300 OT</b>	<b>VdS G205051</b>



Intelligent addressable detector for loop 3000, 2 optical and 2 thermal sensors, according to EN 54-5/7:

- superior operational reliability from intelligent analysis of the thermo sensors
- temperature measurement via highly sensitive sensors
- maximum and rate of rise analysis with thermal sensor technology
- two independent optical measuring channels

- detector-sensitivity is freely programmable
- different sensitivities are programmable for day and night periods
- a log of the last maintenance date is stored
- outputs for the alarm and fault condition indication at the detector
- automatic fault monitoring of the measuring chamber electronics
- multicolour-LED for alarm (red) and fault (yellow)
- integrated isolator and t-branch (spur) facility
- PL 3300 OT with integrated short circuit isolator

#### Technical data

quiescent current	250 $\mu$ A
alarm current	5 mA
Operation voltage	15 up to 30 loop powered
operation temperature	-10°C up to +60°C
humidity	max. 95% RH/40°C
protection class	IP 30
DIN-EN	54-7, 54-5
dimensions (H x $\phi$ )	52 mm x 100 mm
air speed	max. 20 m/s
approvals	further on request

<b>No. 30009</b>	<b>Optical smoke detector</b>	<b>PL 3200 O</b>	<b>VdS G202003</b>
<b>No. 30011</b>	<b>Optical smoke detector, isolator</b>	<b>PL 3300 O</b>	<b>VdS G202002</b>



Intelligent addressable detector for loop 3000, 2 optical sensors, according to EN 54-7:

- superior operational reliability from intelligent analysis of the measuring chamber signal
- a second independent optical measuring channel

- detector-sensitivity is freely programmable
- different sensitivities are programmable for day and night periods
- a log of the last maintenance date is stored
- outputs for the alarm and fault condition indication at the detector
- multicolour-LED for alarm (red) and fault (yellow)
- integrated isolator and t-branch (spur) facility
- PL 3300 O with integrated short circuit isolator

#### Technical data

quiescent current	250 $\mu$ A
alarm current	5 mA
Operating voltage	15 up to 30 V loop powered
operation temperature	-10°C up to +60°C
humidity	max. 95% RH/40°C
protection class	IP 30
DIN-EN	54-7
dimensions (H x $\phi$ )	44 mm x 100 mm
weight	0,11 kg
approvals	further on request

## 4. Fire Detectors

### 4.1 loop 3000 Addressable Fire Detectors

<b>No. 30008</b>	<b>Heat detector</b>	<b>PL 3200 T</b>	<b>VdS G203038</b>
<b>No. 30010</b>	<b>Heat detector, isolator</b>	<b>PL 3300 T</b>	<b>VdS G203037</b>



Intelligent addressable detector for loop 3000, 2 thermal sensors, according to EN 54-5:

- superior operational reliability from intelligent analysis of the thermo sensors
- temperature measurement via highly sensitive sensors

- detector-sensitivity is freely programmable
- different sensitivities are programmable for day and night periods
- a log of the last maintenance date is stored
- outputs for the alarm and fault condition indication at the detector
- multicolour-LED for alarm (red) and fault (yellow)
- integrated isolator and t-branch (spur) facility
- PL 3300 T with integrated short circuit isolator

#### Technical data

quiescent current	250 µA
alarm current	5 mA
operating voltage	15 up to 30 V loop powered
operation temperature	-10°C up to +60°C
humidity	max. 95% RH/40°C
protection class	IP 30
DIN-EN	54-7
further approvals	VdS G 202003 (G 202002)
dimensions (H x Ø)	44 mm x 100 mm
air speed	max. 20 m/s
approvals	further on request

<b>No. 30567</b>	<b>Optical smoke detector</b>	<b>PL 3305 O white</b>	<b>VdS G204089</b>
<b>No. 30568</b>	<b>Optical smoke detector</b>	<b>PL 3305 O silver</b>	<b>VdS G204089</b>



Intelligent addressable detector for loop 3000, 2 optical sensors, according to DIN EN 54-7:

- superior operational reliability from intelligent analysis of the measuring chamber signal

- a second independent optical measuring channel
- detector-sensitivity is freely programmable
- different sensitivities are programmable for day and night periods
- a log of the last maintenance date is stored
- outputs for the alarm and fault condition indication at the detector
- multicolour-LED for alarm (red) and fault (yellow)
- integrated isolator and t-branch (spur) facility
- PL 3300 O with integrated short circuit isolator

#### Technical data

quiescent current	250 µA
alarm current	5 mA
Operation voltage	15 up to 30 V loop powered
operation temperature	-10°C up to +60°C
humidity	max. 95% RH/40°C
protection class	IP 30
DIN-EN	54-7
dimensions (H x Ø)	44 mm x 100 mm
air speed	max. 20 m/s
approvals	further on request

## 4. Fire Detectors

### 4.1 loop 3000 Addressable Fire Detectors

<b>No. 30956</b>	<b>Optical smoke detector</b>	<b>PL 3301 O white</b>	<b>VdS G205046</b>
<b>No. 30488</b>	<b>Optical smoke detector</b>	<b>PL 3301 O silver</b>	<b>VdS G205046</b>
<b>No. 30525</b>	<b>Optical smoke detector</b>	<b>PL 3301 O black</b>	<b>VdS G205046</b>



Intelligent addressable detector for loop 3000, 2 optical sensors, according to DIN EN 54-7:

- superior operational reliability from intelligent analysis of the measuring chamber signal
- a second independent optical measuring channel
- detector-sensitivity is freely programmable

- different sensitivities are programmable for day and night periods
- a log of the last maintenance date is stored
- outputs for the alarm and fault condition indication at the detector
- multicolour-LED for alarm (red) and fault (yellow)
- integrated isolator and t-branch (spur) facility
- PL 3300 O with integrated short circuit isolator

#### Technical data

quiescent current	250 $\mu$ A
alarm current	5 mA
operation voltage	15 up to 30 V loop powered
operation temperature	-10°C up to +60°C
humidity	max. 95% RH/40°C
protection class	IP 30
DIN-EN	54-7
dimensions (H x $\phi$ )	44 mm x 100 mm
approvals	further on request

## 4. Fire Detectors

### 4.2 Accessories

<b>No. 30301</b>	<b>Detector base standard</b>	<b>SDB 3000 white</b>
<b>No. 30926</b>	<b>Detector base standard</b>	<b>SDB 3000 silver</b>
<b>No. 30523</b>	<b>Detector base standard</b>	<b>SDB 3000 black</b>

Standard base for all detectors of the series loop 3000 and CT:

- including LED indicator connection
- space for additional modules



#### Technical data

operation temperature	-10°C up to +60°C
material	ABS
dimensions (H x $\phi$ )	20 mm x 95 mm

<b>No. 31959</b>	<b>Detector base standard with bridge</b>	<b>SDBB 3000 white</b>
<b>No. 32084</b>	<b>Detector base standard with bridge</b>	<b>SDBB 3000 silver</b>
<b>No. 32083</b>	<b>Detector base standard with bridge</b>	<b>SDBB 3000 black</b>

Standard detector base for all detectomat detectors of the series loop 3000 with integrated bridge for loop:





- including LED indicator connection
- in the absence of the detector the function of the loops operated
- minus contacts are bridged in non-operative condition

#### Technical data

operation temperature	-10°C up to +60°C
material	ABS
dimensions (H x $\phi$ )	20 mm x 95 mm

## 4. Fire Detectors

### 4.2 Accessories

No. 30479	Detector labelling clip	MBC								
		<p>Usable for all detector bases SDB and SDBB of the series loop 3000 and CT:</p> <ul style="list-style-type: none"> <li>fixing via plug in</li> <li>selling-packages include 30 pieces each</li> </ul>								
No. 32091	Piezo buzzer for loop 3000 detectors	PB								
		<ul style="list-style-type: none"> <li>activated by open collector output</li> <li>powered by the detector</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation voltage</td> <td>15 up to 33 V DC</td> </tr> <tr> <td>sound volume</td> <td>85 dB/0,3 m distance</td> </tr> <tr> <td>operation temperature</td> <td>-10°C up to +60°C</td> </tr> <tr> <td>dimensions (H x W x D)</td> <td>8 mm x 45mm x35 mm</td> </tr> </table>	operation voltage	15 up to 33 V DC	sound volume	85 dB/0,3 m distance	operation temperature	-10°C up to +60°C	dimensions (H x W x D)	8 mm x 45mm x35 mm
operation voltage	15 up to 33 V DC									
sound volume	85 dB/0,3 m distance									
operation temperature	-10°C up to +60°C									
dimensions (H x W x D)	8 mm x 45mm x35 mm									
Additional buzzer for detectors of the series loop 3000 and CT:										
No. 31698	Wall mount base adapter	APS								
		<p>Usable as wall mount kit for detector base standard SDB 3000, for on wall wire installations:</p> <ul style="list-style-type: none"> <li>four wire entries at the side</li> <li>internal space for additional modules</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation temperature</td> <td>-10°C up to +60°C</td> </tr> <tr> <td>material</td> <td>ABS</td> </tr> <tr> <td>dimensions (H x ø)</td> <td>28 mm x 110 mm</td> </tr> </table> <p><i>Remarks: It is essential to specifying the right base separately. The base is not incl.</i></p>	operation temperature	-10°C up to +60°C	material	ABS	dimensions (H x ø)	28 mm x 110 mm		
operation temperature	-10°C up to +60°C									
material	ABS									
dimensions (H x ø)	28 mm x 110 mm									
No. 32070	Flush-mounting adapter	DR45 white								
No. 31684	Flush-mounting adapter	DR45 silver								
		<ul style="list-style-type: none"> <li>flush mounting base kit for smoke detectors</li> <li>ceiling hole diameter 120 mm</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr> <td>operation temperature</td> <td>-10°C up to +60°C</td> </tr> <tr> <td>material</td> <td>steel</td> </tr> <tr> <td>Dimensions (H x ø)</td> <td>35 mm x 165 mm</td> </tr> </table> <p><i>Remarks: The flush-mounting adapter is only suitable for ceilings in rooms without pressure difference. Overpressure and/or negative pressure, like in air-conditioned ambience, produce a permanent airflow that influences the plotting unit.</i></p>	operation temperature	-10°C up to +60°C	material	steel	Dimensions (H x ø)	35 mm x 165 mm		
operation temperature	-10°C up to +60°C									
material	steel									
Dimensions (H x ø)	35 mm x 165 mm									
Usable as mount-in kit for semi-recess detectors of the series loop 3000 and CT 3000 in lowered ceilings:										

**No. 32065** Manual call point, isolator



**PL 3300 MCP-kit**

Intelligent push button detector for loop 3000 with bidirectional isolator, label symbol "Burning House":

- loop 3000 is a highly functional detection-system
- automatic addressing (soft-addressing)
- manual addressing (Easy Check)
- output for alarm at the detector

#### Technical data

quiescent current	370 $\mu$ A
alarm current	5 mA
operation temperature	-10°C up to +55°C
humidity	max. 95% RH/40°C
protection class	IP 24 D
colour housing	red, RAL 3000
material	ABS
DIN-EN	54-11
dimensions (H x W x D)	88 mm x 88 x 54 mm

**No. 31669** Manual call point



**PL 3300 PBDH-ABS-R**

**VdS G 2030211**

Intelligent manual call point for loop 3000, with bidirectional isolator, labelled symbol "Burning House":


- highly functional detection-system for loop 3000
- alarm output for triggering a detector indication
- addressable spur connection via T-branch
- a log of the last maintenance date is stored
- intelligent function monitoring of push button mechanism
- automatic addressing (soft-addressing)
- manual addressing (Easy Check)
- suitable for installation in fire extinguishing cabinets
- LED for alarm (red)


#### Technical data

operation voltage	15 up to 30 V loop powered
quiescent current	250 $\mu$ A
alarm current	5 mA
operation temperature	-10°C up to +60°C
protection class	IP 42
color housing	red, RAL 3000
material	ABS
DIN-EN	54-11, Typ B
dimensions (H x W x D)	135 mm x 135 mm x 33 mm

## 4. Fire Detectors

### 4.3 Addressable Call Points

No. 31668	Manual call point	PL 3300 PBDH-ALU-R	VdS G 203021																		
		<p>Intelligent manual call point for loop 3000, with bidirectional isolator, labelled symbol "Burning House":</p> <ul style="list-style-type: none"><li>• highly functional detection-system for loop 3000</li><li>• alarm output for triggering a detector indication</li><li>• addressable spur connection via T-branch</li><li>• a log of the last maintenance date is stored</li><li>• intelligent function monitoring of push button mechanism</li><li>• automatic addressing (soft-addressing)</li><li>• manual addressing (Easy Check)</li><li>• suitable for installation in fire extinguishing cabinets</li><li>• LED for alarm (red)</li></ul> <p><b>Technical data</b></p> <table border="1"><tr><td>operation voltage</td><td>15 up to 30 V loop powered</td></tr><tr><td>quiescent current</td><td>250 <math>\mu</math>A</td></tr><tr><td>alarm current</td><td>5 mA</td></tr><tr><td>operation temperature</td><td>-10°C up to +60°C</td></tr><tr><td>protection class</td><td>IP 42</td></tr><tr><td>colour housing</td><td>red, RAL 3000</td></tr><tr><td>material</td><td>aluminium</td></tr><tr><td>DIN-EN</td><td>54-11, Typ B</td></tr><tr><td>dimensions (H x W x D)</td><td>125 mm x 125 mm x 34 mm</td></tr></table>		operation voltage	15 up to 30 V loop powered	quiescent current	250 $\mu$ A	alarm current	5 mA	operation temperature	-10°C up to +60°C	protection class	IP 42	colour housing	red, RAL 3000	material	aluminium	DIN-EN	54-11, Typ B	dimensions (H x W x D)	125 mm x 125 mm x 34 mm
operation voltage	15 up to 30 V loop powered																				
quiescent current	250 $\mu$ A																				
alarm current	5 mA																				
operation temperature	-10°C up to +60°C																				
protection class	IP 42																				
colour housing	red, RAL 3000																				
material	aluminium																				
DIN-EN	54-11, Typ B																				
dimensions (H x W x D)	125 mm x 125 mm x 34 mm																				

No. 31091	Weatherproof housing	WH-R									
		<p>Weatherproof housing in red for aluminium manual call points PL 3300 PBDH-ALU-R:</p> <ul style="list-style-type: none"><li>• usable to reach protection level IP 54</li><li>• including fitting kit</li></ul> <p><b>Technical data</b></p> <table border="1"><tr><td>protection class</td><td>IP 54</td></tr><tr><td>color housing</td><td>red, RAL 3000</td></tr><tr><td>material</td><td>aluminium</td></tr><tr><td>dimensions (H x W x D)</td><td>145 mm x 131 mm x 55 mm</td></tr></table>		protection class	IP 54	color housing	red, RAL 3000	material	aluminium	dimensions (H x W x D)	145 mm x 131 mm x 55 mm
protection class	IP 54										
color housing	red, RAL 3000										
material	aluminium										
dimensions (H x W x D)	145 mm x 131 mm x 55 mm										

### No. 30200 In-/Output module



Intelligent in-/output module for loop 3000, with bidirectional isolator, in a housing:

- highly functional detection-system for loop 3000
- addressable spur connection via T-branch

### IOM 3311

VdS G 205029

- 1 monitored input to connect external devices to the loop 3000
- 1 potential-free output to control external devices
- in- and output freely programmable
- multicolour-LED for alarm (red) and fault (yellow)

#### Technical data

operation voltage	15 up to 30 V loop powered
quiescent current	500 $\mu$ A
alarm current	5 mA
output relay	change over 30 V DC/1 A
operation temperature	-10°C up to +60°C
protection class	IP 54
colour housing	grey, similar to RAL 7035
material	ABS
DIN-EN	54
dimensions (H x W x D)	93 mm x 93 mm x 55 mm

### No. 30211 Output module



Intelligent sounder control module for loop 3000 including bidirectional isolator, in a housing:

- output module with highest functionality for loop 3000
- addressable spur connection via T-branch

### OMS 3301

VdS G 205030

- 1 potential-free output to control external devices
- the relay can be reset at the fire control panel via "external sounder on/off"
- output is freely programmable

#### Technical data

operation voltage	15 up to 30 V loop powered
quiescent current	500 $\mu$ A
alarm current	5 mA
output relay	change over 30 V DC/1 A
operation temperature	-10°C up to +60°C
protection class	IP 54
colour housing	grey, similar to RAL 7035
material	ABS
DIN-EN	54
dimensions (H x W x D)	93 mm x 93 mm x 55 mm

### No. 32073 Extension module for IOM 3311/OMS 3301

Extension module for the realisation of monitored outputs via IOM 3311 or OMS 3301:

- to be easily built into the housing of IOM 3311/OMS 3301
- 1 monitored output with broken wire- and short circuit monitoring
- max. current 1 A
- externally powered 24 V/11 mA quiescent current






### UBW 3311

- convenient for the monitored connection of signalling devices
- delivery including 1 x connecting cable and 1 x 10 K-Ohm-resistor

#### Technical data

operation voltage	24 V/11 mA
quiescent current	11 mA
alarm current	max. 1 mA
operation temperature	-10°C up to +60°C
protection class	IP 54
colour housing	grey, similar to RAL 7035
material	ABS
DIN-EN	54-18
dimensions (H x W x D)	20 mm x 38 mm x 55 mm

## 5. loop 3000 Modules

No. 30205	Conventional zone module	TCM 3300	VdS G 206048																				
		<ul style="list-style-type: none"> <li>external power supply of 12/24V</li> <li>automatic addressing (soft-addressing)</li> <li>manual addressing (Easy Check)</li> <li>multicolour-LED for alarm- (red) and fault-display (yellow)</li> <li>Technical data at the conventional line: voltage 12/24 V, current consumption 10 mA plus conventional detector, max. current 65 mA</li> </ul>																					
<p>Intelligent connecting module for one zone of conventional detectors to loop 3000, including bidirectional isolator:</p>		<p><b>Technical data</b></p> <table border="1"> <tr><td>operation voltage</td><td>15 up to 30 V loop powered</td></tr> <tr><td>quiescent current</td><td>560 µA</td></tr> <tr><td>alarm current</td><td>5 mA per zone</td></tr> <tr><td>output external user</td><td>12/24 V</td></tr> <tr><td>operation temperature</td><td>-10°C up to +60°C</td></tr> <tr><td>protection class</td><td>IP 54</td></tr> <tr><td>colour housing</td><td>grey, similar to RAL 7035</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>DIN-EN</td><td>54</td></tr> <tr><td>dimensions (H x W x D)</td><td>93 mm x 93 mm x 55 mm</td></tr> </table>		operation voltage	15 up to 30 V loop powered	quiescent current	560 µA	alarm current	5 mA per zone	output external user	12/24 V	operation temperature	-10°C up to +60°C	protection class	IP 54	colour housing	grey, similar to RAL 7035	material	ABS	DIN-EN	54	dimensions (H x W x D)	93 mm x 93 mm x 55 mm
operation voltage	15 up to 30 V loop powered																						
quiescent current	560 µA																						
alarm current	5 mA per zone																						
output external user	12/24 V																						
operation temperature	-10°C up to +60°C																						
protection class	IP 54																						
colour housing	grey, similar to RAL 7035																						
material	ABS																						
DIN-EN	54																						
dimensions (H x W x D)	93 mm x 93 mm x 55 mm																						
<ul style="list-style-type: none"> <li>detector zone interface with high functionality for loop 3000</li> <li>addressable spur connection via T-branch</li> <li>variable adjustable of short circuit-, break wire-, pre-alarm and alarm threshold</li> </ul>																							
No. 30513	In-/output module mini	AMD 3311 mini	VdS G 206047																				
No. 31640	Output module mini	OMS 3301 mini																					
		<p><b>Technical data</b></p> <table border="1"> <tr><td>operation voltage</td><td>15 up to 30 V loop powered</td></tr> <tr><td>quiescent current</td><td>370 µA</td></tr> <tr><td>alarm current</td><td>5 mA</td></tr> <tr><td>output open collector</td><td>1 x OC 500 mA</td></tr> <tr><td>operation temperature</td><td>-10°C up to +60°C</td></tr> <tr><td>protection class</td><td>IP 54</td></tr> <tr><td>colour housing</td><td>blue</td></tr> <tr><td>DIN-EN</td><td>54</td></tr> <tr><td>dimensions (H x W x D)</td><td>27 mm x 73 x 15 mm</td></tr> </table>		operation voltage	15 up to 30 V loop powered	quiescent current	370 µA	alarm current	5 mA	output open collector	1 x OC 500 mA	operation temperature	-10°C up to +60°C	protection class	IP 54	colour housing	blue	DIN-EN	54	dimensions (H x W x D)	27 mm x 73 x 15 mm		
operation voltage	15 up to 30 V loop powered																						
quiescent current	370 µA																						
alarm current	5 mA																						
output open collector	1 x OC 500 mA																						
operation temperature	-10°C up to +60°C																						
protection class	IP 54																						
colour housing	blue																						
DIN-EN	54																						
dimensions (H x W x D)	27 mm x 73 x 15 mm																						
<p>Intelligent mini casted input/output module for loop 3000:</p>																							
<ul style="list-style-type: none"> <li>AMD 3311: 1 monitored input to connect external devices to the loop 3000</li> <li>OMS 3301: 1 open collector output to control external devices in- and output are freely programmable</li> </ul>																							
No. 32074	Output module mini	AOM 3301																					
		<ul style="list-style-type: none"> <li>1 monitored output to control external devices (sounder, LED-flashlight)</li> <li>output is freely programmable</li> <li>circuit board version, with grey housing</li> </ul>																					
<p>Intelligent mini-output-module for loop 3000, monitored, including bidirectional isolator to control active devices (sounder, beacons):</p>		<p><b>Technical data</b></p> <table border="1"> <tr><td>quiescent current</td><td>400 µA</td></tr> <tr><td>alarm current</td><td>5 mA</td></tr> <tr><td>operating voltage</td><td>15 up to 30 V loop powered</td></tr> <tr><td>output external user</td><td>5 mA monitored</td></tr> <tr><td>operation temperature</td><td>-10°C up to +60°C</td></tr> <tr><td>protection class</td><td>IP 54</td></tr> <tr><td>colour housing</td><td>grey, similar to RAL 7035</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>DIN-EN</td><td>54</td></tr> <tr><td>dimensions (H x W x D)</td><td>400 mm x 112 mm x 38 mm</td></tr> </table>		quiescent current	400 µA	alarm current	5 mA	operating voltage	15 up to 30 V loop powered	output external user	5 mA monitored	operation temperature	-10°C up to +60°C	protection class	IP 54	colour housing	grey, similar to RAL 7035	material	ABS	DIN-EN	54	dimensions (H x W x D)	400 mm x 112 mm x 38 mm
quiescent current	400 µA																						
alarm current	5 mA																						
operating voltage	15 up to 30 V loop powered																						
output external user	5 mA monitored																						
operation temperature	-10°C up to +60°C																						
protection class	IP 54																						
colour housing	grey, similar to RAL 7035																						
material	ABS																						
DIN-EN	54																						
dimensions (H x W x D)	400 mm x 112 mm x 38 mm																						

<b>No. 31836</b>	<b>Loop sounder red</b>	<b>LS 3300 R</b>
<b>No. 32012</b>	<b>Loop sounder white</b>	<b>LS 3300 W</b>



Low current multiple tone sounder directly powered by loop 3000, with bidirectional short circuit isolator:

- directly addressable via loop 3000
- 2 different tones adjustable (including DIN tone)
- automatic addressing (soft-addressing)
- manual addressing (Easy Check)
- audibility adjustable via potentiometer

#### Technical data

operation voltage	15 up to 30 V loop powered
alarm current	5 mA
volume	max. 97 dB
operation temperature	-10°C up to +60°C
protection class	IP 43
colour housing	red/white
material	ABS
dimensions (H x ø)	100 mm x 101 mm

<b>No. 32060</b>	<b>Loop sounder shallow</b>	<b>LS 3300 VLC</b>
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Low current multiple tone sounder, with 4 different tones, directly powered by loop 3000 via control module:

- 4 different tones adjustable via DIP button
- tones in the frequency-band of 440 Hz up to 2900 Hz
- 3 sound levels adjustable

- automatic addressing (soft-addressing)
- manual addressing (Easy Check)
- figure: LS 3300 VLC incl. AOM 3301 excl. base No. 32241

#### Technical data

operation voltage	24 up to 32 V loop powered
frequency	440 up to 2900 Hz
current alarm	6 mA
quiescent current	280 µA
volume	max. 85 dB/3 m
operation temperature	-10°C up to +60°C
protection class	IP 43
colour housing	white
material	ABS
DIN-EN	54
dimensions (H x ø)	27 mm x 117 mm

#### E. g. Loop-sounder

Figure 1:  
1 x 32060 LS 3300 VLC  
1 x 32241 SDB  
1 x 30011 PL 3300 O



#### E. g. Loop-sounder shallow

Figure 2:  
1 x 32060 LS 3300 VLC  
1 x 32067 CP red or  
32067 CP white



<b>No. 32067</b>	<b>Cover for sounder flat red</b>	<b>CP r</b>
<b>No. 32068</b>	<b>Cover for sounder flat white</b>	<b>CP w</b>

## 6. Signalling Devices

<b>No. 32090</b>	<b>Loop beacon amber</b>	<b>LB 3300 VBX O</b>
<b>No. 32058</b>	<b>Loop beacon red</b>	<b>LB 3300 VBX R</b>

Low current LED beacon for the system loop 3000:

- housing white with an amber or red calotte
- flash rate: 1Hz
- current consumption: at 5 mA 0,7 watt and at 3 mA 0,4 watt
- directly powered by loop 3000 via integrated control module



### Technical data

operation voltage	24 up to 35 V loop powered
current alarm	3 up to 5 mA
frequency	1 Hz
operation temperature	-20°C up to +70°C
protection class	IP 43
colour housing	White
material	ABS
DIN-EN	54
dimensions (H x ø)	60 mm x 95 mm

<b>No. 32282</b>	<b>LED indicator</b>	<b>PL 3300 PA</b>
------------------	----------------------	-------------------

Intelligent LED-indicator for loop 3000 with bidirectional isolator:

- highly functional LED indicator with integrated addressing module
- automatic addressing (soft-addressing)
- manual addressing (Easy Check)



### Technical data

operation voltage	15 up to 30 V DC loop powered
operation temperature	-15°C up to +50°C
alarm current	5 mA
quiescent current	280 µA
humidity	max. 95 %
protection class	IP 30
DIN-EN	54-18
material	ABS
dim ensions (H x W x D)	84 mm x 84 mm x 35 mm

<b>No. 30204</b>	<b>Sound unit red</b>	<b>SDM 3300 R</b>
<b>No. 30527</b>	<b>Sound unit white</b>	<b>SDM 3300 W</b>



Multiple-tone sounder to be used in loop 3000, with soundmodule, addressable connections with external voltage according to DIN 33404:

- integrated automatic addressing-unit
- integrated bidirectional short circuit isolator
- addressable spur connection via T-branch
- external voltage supply (24V) necessary
- internal sound levels adjustable
- 26 different tones programmable

### Technical data

frequency	500 Hz up to 2850 Hz
operation voltage	15 up to 30 V DC loop powered
quiescent current	250 µA
current alarm	9 up to 29 mA
volume	111 dB
operation temperature	-10°C up to +60°C
protection class	IP 54
colour housing	red
material	ABS
DIN-EN	54
dimensions (H x ø)	93 mm x 93 mm

# 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



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

### 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

### No. 32294 Connecting cable for RCP 6B

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

### F.BZ

### No. 32131 Wireless repeater



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


- 10 sensors each wireless repeater RCP 6B programmable


### 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

No. 30458	Smoke alarm	HDv 3000 O	VdS G202042																		
 <p>Battery powered optical smoke alarm detector according to EN 14604:</p> <ul style="list-style-type: none"> <li>automatic fault monitoring of the measuring chamber as well as the battery voltage</li> </ul>		<ul style="list-style-type: none"> <li>up to 40 fire detectors interlinked</li> <li>the acoustic alert is made by an integrated piezo alarm-sounder (&gt; 85 dB)</li> <li>a visual and acoustic signal at low battery condition for 30 days</li> <li>the optional plug-in radio module interface offers radio interlinking for reporting fault and alarm conditions via 433 MHz</li> <li>the average life span with a 9 V alkaline battery is approximately 2 years (without interlinking or alarms at 20°C ambient temperature)</li> <li>delivery including detector base, battery, screws and anchors</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr><td>operating voltage</td><td>9 V DC</td></tr> <tr><td>responsivity</td><td>&lt; 0,15 dB/m</td></tr> <tr><td>quiescent current</td><td>&lt; 16 µA</td></tr> <tr><td>frequency</td><td>433. 42 MHz</td></tr> <tr><td>operation temperature</td><td>-10°C up to +60°C</td></tr> <tr><td>colour housing</td><td>white</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>dimensions (H x ø)</td><td>51 mm x incl. base 100 mm</td></tr> <tr><td>approvals</td><td>further on request</td></tr> </table>		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
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																				

No. 32004	Smoke alarm	HD 3005 O silver	VdS G204091																				
No. 32015	Smoke alarm	HD 3005 O white	VdS G204091																				
 <p>Battery powered smoke alarm detector EN 14604:</p> <ul style="list-style-type: none"> <li>automatic fault monitoring of the measuring chamber as well as the battery voltage</li> <li>up to 40 fire detectors interlinked</li> <li>the acoustic alert is made by an integrated piezo alarm-sounder (&gt; 85 dB)</li> <li>a visual and acoustic signal at low battery condition for 30 days</li> <li>the optional plug-in radio module interface offers radio interlinking for reporting fault and alarm conditions via 433 MHz</li> <li>the average life span with a 9 V alkaline battery is approximately 2 years (without interlinking or alarms at 20°C ambient temperature)</li> <li>delivery including detector base, battery, screws and anchors</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr><td>operating voltage</td><td>9 V DC</td></tr> <tr><td>responsivity</td><td>&lt; 0,15 dB/m</td></tr> <tr><td>quiescent current</td><td>&lt; 16 µA</td></tr> <tr><td>frequency</td><td>433. 42 MHz</td></tr> <tr><td>operation temperature</td><td>-10°C up to +60°C</td></tr> <tr><td>colour housing</td><td>white/silver</td></tr> <tr><td>protection class</td><td>IP 30</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>dimensions (H x ø)</td><td>55 mm x 113 mm incl. base</td></tr> <tr><td>approvals</td><td>further on request</td></tr> </table>		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		
operating voltage	9 V DC																						
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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																						

## 7. Wireless Detect

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 signal 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
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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

<b>No. 30528</b>	<b>Battery</b>	<b>Lithium</b>
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Block-Battery 9V/1.2Ah with aluminium cladding

<b>No. 31957</b>	<b>Thermal home detector</b>	<b>TM</b>
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Battery powered thermal smoke detector with integrated wireless interface for alarming in domestic applications:

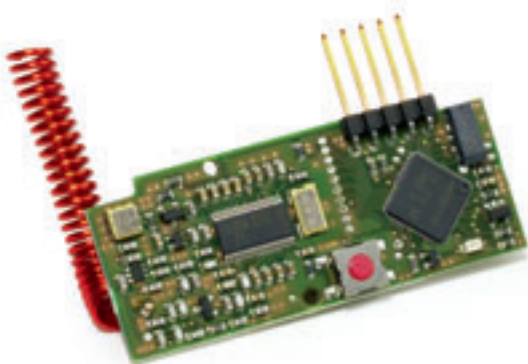
- trigger temperature: 60°C
- acoustical alarm via piezo sounder with audible tone (85 dB)
- optical alarm: red LED
- signalling of sensor faults and low battery warning for 30 days

- 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

<b>No. 32189</b>	<b>Wireless module for thermal detectors</b>	<b>F.M T RCP 6B</b>
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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

## 7. Wireless Detect

### 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  $\mu$ A
- 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 $\mu$ A
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 signalling of alarm and fault
- backup alarm function via the panel by means of bidirectional data exchange
- acoustic signalling 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  $\mu$ A
- 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 $\mu$ A
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:

### 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  $\mu$ A

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

#### Technical data

operating voltage	9 V DC
responsivity	60°C
quiescent current	max. 16 $\mu$ A
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 $\emptyset$ )	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 $\mu$ A
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 $\emptyset$ )	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

## 8. Conventional System

No. 32143	Fire control panel	FCP 4
No. 30941	Fire control panel	FCP 6



Conventional fire control panel with (FCP 4) 4 detector zones:

- 2 monitored outputs for signalling devices (300 mA)
- 1 programmable output for telephone operators
- 4 quiescent current monitored detector zones
- max. 30 automatic detectors each zone
- 4 relay outputs for alarm and fault
- space for battery (1 x 12 V/7 Ah)

Conventional fire control panel with 4 or 6 detector zones:

- 2 monitored outputs for signalling devices (250 mA)
- max. 30 automatic detectors each zone
- 6 quiescent current monitored detector zones
- 6 relay outputs for alarm and fault
- space for battery (1 x 12 V/7 Ah)

### Technical data

system voltage	220 up to 240 V AC
operating voltage	24 V DC
quiescent current	190 mA
alarm current	160 mA
frequency	50/60 Hz
emergency power	12 V/7 Ah
operation temperature	0°C up to +60°C
output relay	1 relay per zone
sounder output	2 x 24 V/300 mA monitored
display	LCD display
humidity	max. 95 %
protection class	IP 20
colour housing	grey
material	ABS

EN:

FCP	54-2, 54-4
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dimensions (H x D x W)	240 mm x 325 mm x 80 mm
weight	2 kg without battery

No. 30015	Optical smoke detector	CT 3000 O	VdS G203036
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Conventional optical smoke detector according to EN 54-7:

- highly functional detection-system
- intelligent analysis of the measuring chamber signal

### Technical data

operating voltage	9 up to 33 V DC
quiescent current	40 mA
alarm current	20 mA
open collector output	15 mA for LED indicators
sensitivity	< 0,15 dB/m
operation temperature	-10°C up to +60°C
humidity	max. 95 %/RH/40°C
protection class	IP 30
colour housing	white
material	ABS
DIN EN	54-7
dimensions (H x Ø )	44 mm x 100 mm
approvals	further on request

**No. 30022** Multisensor detector optical/thermal

**CT 3000 OT**



- intelligent analysis of the thermal sensor
- intelligent analysis of the measuring chamber signal

**Technical data**

operating voltage	9 up to 33 V DC
quiescent current	100 µA
alarm current	20 mA
open collector output	15 mA for LED indicators
sensitivity	< 0,15 dB/m 60°C rate of rise
operation temperature	-10°C up to +60°C
humidity	max. 95 %/RH/40°C
protection class	IP 30
colour housing	white
material	ABS
EN	54-7
approvals	further on request

Conventional multisensor detector optical/thermal according to EN 54-7:

**No. 30014** Heat detector

**CT 3000 T**



- highly functional detection-system
- intelligent analysis of the thermal sensor

**Technical data**

operating voltage	9 up to 33 V DC
quiescent current	80 µA
alarm current	20 mA
open collector output	15 mA for LED indicators
sensitivity	60°C rate of rise
operation temperature	-10°C up to +60°C
humidity	max. 95 %/RH/40°C
protection class	IP 30
colour housing	white
material	ABS
EN	54-7
approvals	further on request

Conventional heat detector according to EN 54-7:

**No. 30301** Detector base standard

**SDB 3000 white**



Standard base for all conventional:


- including LED indicator connection
- space for additional modules

**Technical data**

operation temperature	-10°C up to +60°C
material	ABS
colour	white
dimensions (H x ø)	20 mm x 95 mm

## 8. Conventional System

No. 30551	Optical smoke detector	CT 3005 0 white
No. 30552	Optical smoke detector	CT 3005 0 silver



Conventional optical smoke detector according to EN 54-7:

- highly functional detection-system
- intelligent analysis of the measuring chamber signal

**Technical data**

operating voltage	9 up to 33 V DC
quiescent current	40 mA
alarm current	20 mA
open collector output	15 mA for LED indicators
sensitivity	< 0,15 dB/m
operation temperature	-10°C up to +60°C
protection class	IP 30
humidity	max. 95 %/RH/40°C
colour housing	white
material	ABS
DIN EN	54-7
approvals	further on request

No. 31929	Optical smoke detector	CT 3001 0 white
No. 31589	Optical smoke detector	CT 3001 0 silver
No. 31926	Optical smoke detector	CT 3001 0 black



Conventional optical smoke detector according to EN 54-7:

- highly functional detection-system
- intelligent analysis of the measuring chamber signal

**Technical data**

operating voltage	9 up to 33 V DC
quiescent current	40 mA
alarm current	20 mA
open collector output	15 mA for LED indicators
sensitivity	< 0,15 dB/m
operation temperature	-10°C up to +60°C
protection class	IP 30
humidity	max. 95 %/RH/40°C
colour housing	white
material	ABS
DIN EN	54-7
dimensions (H x Ø )	42 mm x 95 mm
approvals	further on request

<b>No. 32051</b>	<b>Multiple tone sounder red</b>	<b>VTG 32 SB R</b>	<b>VdS G205137</b>
<b>No. 32053</b>	<b>Multiple tone sounder white</b>	<b>VTG 32 SB W</b>	<b>VdS G205137</b>

Conventional multiple tone sounder with 32 different tones:

- 32 different tones adjustable via DIP button
- tones in the frequency-band of 440 Hz up to 2900 Hz, synchronizable
- 3 sound levels adjustable
- flat base for lateral and rear cable entry



### Technical data

operating voltage	15 up to 35 V DC
quiescent current	48 µA
alarm current	9 up to 36 mA
frequency	440 up to 2900 Hz
operation temperature	-20°C up to +70°C
Sound volume	max. 106 dB
sound volume	101 dB
protection class	IP 33 C
DIN-EN	54-3
material	ABS
further approvals	further on request
dimensions (H x Ø )	85 mm x 94 mm

<b>No. 32052</b>	<b>Multiple tone sounder red</b>	<b>VTG 32 DB R</b>	<b>VdS G205137</b>
<b>No. 32054</b>	<b>Multiple tone sounder white</b>	<b>VTG 32 DB W</b>	<b>VdS G205137</b>

Conventional multiple tone sounder with 32 different tones:

- 32 different tones adjustable via DIP button
- tones in the frequency-band of 440 Hz up to 2900 Hz, synchronizable
- 3 sound levels adjustable
- hollow base for lateral and rear cable entry



### Technical data

operating voltage	15 up to 35 V DC
quiescent current	48 µA
alarm current	9 up to 36 mA
frequency	440 up to 2900 Hz
operation temperature	-20°C up to +70°C
sound volume	max. 106 dB
sound volume	101 dB
protection class	IP 65
DIN-EN	54-3
material	ABS
further approvals	further on request
dimensions (H x Ø )	102 mm x 94 mm

<b>No. 32055</b>	<b>Base sounder</b>	<b>Verso 32</b>	<b>LPCB 546a/04</b>
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Conventional multiple tone sounder with 32 different tones:

- 32 different tones adjustable via DIP button
- tones in the frequency-band of 440 Hz up to 2900 Hz, synchronizable
- 3 sound levels adjustable


- flat base for lateral and rear cable entry


### Technical data


operation voltage	15 up to 35 V DC
frequency	440 up to 2900 Hz
current alarm	9 up to 36 mA
volume	max. 93 dB/m
operation temperature	-20°C up to +70°C
protection class	IP 42
colour housing	white
material	ABS
DIN-EN	54-3
dimensions (H x ø)	27 mm x 117 mm


Remarks: Cover plate for sound in white No. 32068 in red No. 32067


## 8. Conventional System

<b>No. 31193</b>	<b>LED indicator</b>	<b>PA</b>														
 <p>Conventional LED indicator:</p>		<ul style="list-style-type: none"> <li>• 3 separate entries</li> <li>• connection to the detector base</li> <li>• on-wall mounting</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr><td>operation voltage</td><td>7 up to 35 V DC</td></tr> <tr><td>operation temperature</td><td>-15°C up to +50°C</td></tr> <tr><td>alarm current</td><td>4 mA</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>Protection class</td><td>IP 30</td></tr> <tr><td>colour</td><td>white/red</td></tr> <tr><td>dim ensions (H x W x D)</td><td>84 mm x 84 mm x 35 mm</td></tr> </table>	operation voltage	7 up to 35 V DC	operation temperature	-15°C up to +50°C	alarm current	4 mA	material	ABS	Protection class	IP 30	colour	white/red	dim ensions (H x W x D)	84 mm x 84 mm x 35 mm
operation voltage	7 up to 35 V DC															
operation temperature	-15°C up to +50°C															
alarm current	4 mA															
material	ABS															
Protection class	IP 30															
colour	white/red															
dim ensions (H x W x D)	84 mm x 84 mm x 35 mm															

<b>No. 32056</b>	<b>Beacon, red</b>	<b>VXB 1 SB WB RL</b>																
<b>No. 32142</b>	<b>Beacon, amber</b>	<b>VXB 1 SB WB AL</b>																
 <p>Conventional beacon:</p> <ul style="list-style-type: none"> <li>• white housing with amber or red calotte</li> </ul>		<ul style="list-style-type: none"> <li>• flash rate: 1 Hz</li> <li>• current consumption: at 5 mA 0,7 watt and at 3 mA 0,4 watt</li> <li>• flat base for cable insertion from the side and the back</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr><td>operation voltage</td><td>20 up to 35 V DC</td></tr> <tr><td>operation temperature</td><td>-20°C up to +70°C</td></tr> <tr><td>alarm current</td><td>3 up to 5 mA</td></tr> <tr><td>protection class</td><td>IP 43</td></tr> <tr><td>frequency</td><td>1 Hz</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>colour</td><td>white/red/amber</td></tr> <tr><td>dimensions (H x Ø)</td><td>60 mm x 95 mm</td></tr> </table>	operation voltage	20 up to 35 V DC	operation temperature	-20°C up to +70°C	alarm current	3 up to 5 mA	protection class	IP 43	frequency	1 Hz	material	ABS	colour	white/red/amber	dimensions (H x Ø)	60 mm x 95 mm
operation voltage	20 up to 35 V DC																	
operation temperature	-20°C up to +70°C																	
alarm current	3 up to 5 mA																	
protection class	IP 43																	
frequency	1 Hz																	
material	ABS																	
colour	white/red/amber																	
dimensions (H x Ø)	60 mm x 95 mm																	

<b>No. 32063</b>	<b>Sounder beacon combination</b>	<b>VTB 32 DB W</b>																		
 <p>Conventional multiple tone sounder:</p> <ul style="list-style-type: none"> <li>• 32 different tones adjustable via DIP button</li> </ul>		<ul style="list-style-type: none"> <li>• ones in the frequency-band of 440 Hz up to 2900 Hz are synchronizable</li> <li>• red LED-flashlight, 3 sound levels adjustable</li> <li>• flash rate: 1 Hz</li> <li>• current consumption: at 5 mA 0,7 watt and at 3 mA 0,4 watt</li> <li>• hollow base for cable insertion from the side and the back</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr><td>operation voltage</td><td>18 up to 35 V DC</td></tr> <tr><td>operation temperature</td><td>-20°C up to +70°C</td></tr> <tr><td>alarm current</td><td>37 mA/24 VDC</td></tr> <tr><td>protection class</td><td>IP 65</td></tr> <tr><td>sound volume</td><td>max. 109 dB</td></tr> <tr><td>frequency</td><td>440 up to 2900 Hz</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>colour</td><td>white/red</td></tr> <tr><td>dimensions (H x Ø)</td><td>107 mm x 94 mm</td></tr> </table>	operation voltage	18 up to 35 V DC	operation temperature	-20°C up to +70°C	alarm current	37 mA/24 VDC	protection class	IP 65	sound volume	max. 109 dB	frequency	440 up to 2900 Hz	material	ABS	colour	white/red	dimensions (H x Ø)	107 mm x 94 mm
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<b>No. 30458</b>	<b>Smoke alarm</b>	<b>HDv 3000 O</b>	<b>VdS G 202042</b>																				
 <p>Battery powered optical home detector for detection and alarming in domestic applications according to DIN EN 14604:</p> <ul style="list-style-type: none"> <li>• automatic fault monitoring of the measuring chamber as well as the battery voltage</li> <li>• the acoustic alert is made by an integrated piezo alarmsounder (&gt; 85 dB)</li> </ul>		<ul style="list-style-type: none"> <li>• up to 40 fire detectors interlinked</li> <li>• a visual and acoustic signal at low battery condition for 30 days</li> <li>• monitoring area = 60 m<sup>2</sup>/<math>&lt;</math> 6 m height</li> <li>• the optional plug-in radio module interface offers radio interlinking for reporting fault and alarm conditions via 433 MHz or 868 MHz</li> <li>• suitable for the installation in habitable leisure vehicles</li> <li>• the average life span with a 9 V alkaline battery is approximately 2 years (without interlinking or alarms at 20°C ambient temperature)</li> <li>• delivery including</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr><td>operating voltage</td><td>9 V DC</td></tr> <tr><td>responsivity</td><td><math>&lt;</math> 0,15 dB/m</td></tr> <tr><td>quiescent current</td><td><math>&lt;</math> 16 <math>\mu</math>A</td></tr> <tr><td>frequency</td><td>433. 42 MHz</td></tr> <tr><td>operation temperature</td><td>-10°C up to +60°C</td></tr> <tr><td>colour housing</td><td>white</td></tr> <tr><td>protection class</td><td>IP 30</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>dimensions (H x <math>\phi</math>)</td><td>51 mm x incl. base 100 mm</td></tr> <tr><td>approvals</td><td>further on request</td></tr> </table>		operating voltage	9 V DC	responsivity	$<$ 0,15 dB/m	quiescent current	$<$ 16 $\mu$ A	frequency	433. 42 MHz	operation temperature	-10°C up to +60°C	colour housing	white	protection class	IP 30	material	ABS	dimensions (H x $\phi$ )	51 mm x incl. base 100 mm	approvals	further on request
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<b>No. 30023</b>	<b>Smoke alarm</b>	<b>HD 3001 O white</b>	<b>VdS G 202054</b>																								
<b>No. 30024</b>	<b>Smoke alarm</b>	<b>HD 3001 O silver</b>	<b>VdS G 202054</b>																								
<b>No. 30123</b>	<b>Smoke alarm</b>	<b>HD 3001 O black</b>	<b>VdS G 202054</b>																								
 <p>Battery powered optical home smoke detector for detection and alarming in domestic applications, similar to HDv 3000 O, design 1:</p> <ul style="list-style-type: none"> <li>• automatic fault monitoring of the measuring chamber as well as the battery voltage</li> <li>• the acoustic alert is made by an integrated piezo alarmsounder (&gt; 85 dB)</li> </ul>		<ul style="list-style-type: none"> <li>• a visual and acoustic signal at low battery condition for 30 days</li> <li>• monitoring area = 60 m<sup>2</sup>/<math>&lt;</math> 6 m height</li> <li>• the optional plug-in radio module interface offers radio interlinking for reporting fault and alarm conditions via 433 MHz or 868 MHz</li> <li>• suitable for the installation in habitable leisure vehicles</li> <li>• the average life span with a 9 V alkaline battery is approximately 2 years (without interlinking or alarms at 20°C ambient temperature)</li> <li>• delivery including detector base, battery, screws and anchors</li> </ul> <p><b>Technical data</b></p> <table border="1"> <tr><td>operating voltage</td><td>9 V DC</td></tr> <tr><td>sensitivity</td><td><math>&lt;</math> 0,15 dB/m</td></tr> <tr><td>alarm current</td><td><math>&lt;</math> 16 <math>\mu</math>A</td></tr> <tr><td>quiescent current</td><td>10 <math>\mu</math>A</td></tr> <tr><td>humidity</td><td>95%/RH/40°C</td></tr> <tr><td>operation temperature</td><td>-10°C up to +60°C</td></tr> <tr><td>air speed</td><td>max. 20 m/s</td></tr> <tr><td>Protection class</td><td>IP 30</td></tr> <tr><td>colour housing</td><td>white/silver/black</td></tr> <tr><td>material</td><td>ABS</td></tr> <tr><td>dimensions (H x <math>\phi</math>)</td><td>42 mm incl. base x 95 mm</td></tr> <tr><td>approvals</td><td>further on request</td></tr> </table>		operating voltage	9 V DC	sensitivity	$<$ 0,15 dB/m	alarm current	$<$ 16 $\mu$ A	quiescent current	10 $\mu$ A	humidity	95%/RH/40°C	operation temperature	-10°C up to +60°C	air speed	max. 20 m/s	Protection class	IP 30	colour housing	white/silver/black	material	ABS	dimensions (H x $\phi$ )	42 mm incl. base x 95 mm	approvals	further on request
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approvals	further on request																										

## 9. Residential Detection

No. 32015	Smoke alarm	HD 3005 O white	VdS G 204091
No. 32004	Smoke alarm	HD 3005 O silver	VdS G 204091



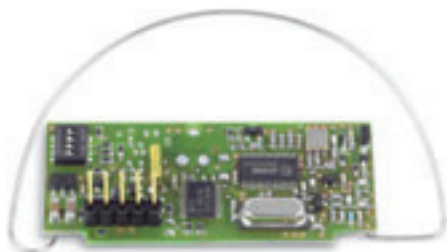
Battery powered optical home detector for smoke detection and alarm during initial stages of fire, similar to HDv 3000 O, design 5:

- a visual and acoustic signal at low battery condition for 30 days
- monitoring area = 60 m<sup>2</sup>/ $< 6$  m height
- up to 40 fire detectors interlinked
- the optional plug-in radio module interface offers radio interlinking for reporting fault and alarm conditions via 433 MHz or 868 MHz
- suitable for the installation in habitable leisure vehicles
- 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

### Technical data

operating voltage	9 V DC
sensitivity	$< 0,15$ dB/m
alarm current	20 mA
quiescent current	$< 16$ $\mu$ A
humidity	95%/RH/40°C
operation temperature	-10°C up to +60°C
air speed	max. 20 m/s
protection class	IP 30
colour housing	white/silver
material	ABS
dimensions (H x $\varnothing$ )	35 mm x 113 mm incl. base
approvals	further on request

No. 30933	Wireless link module	FM 868
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Bidirectional wireless module to interlink home detectors in cascaded networks in the transmitting frequency of 868 MHz:

- bidirectional control function in alarm events, in case of alarm alerting of all connected detectors
- with the module the detectors can be interlinked cascadelly without a panel
- automatic boost of the radio signal via integrated repeater functions
- connection via interface (inside of HD-detector)

### Technical data

operation temperature	-10°C up to +60°C
Interface	interface for home detector
humidity	95 % RH/40°C
alarm current	37 mA
frequency	868 MHz
operation temperature	-10°C up to +60°C

### Technical modification

Due to continuous development of our products, together with altering manufacturing methods, the description and data provided are for information only and subject to changes without notice.

### Information give the catalogue

We accept no responsibility for the accuracy of the information given in the catalogue. (Our prices are exclusive of applicable value added tax (VAT). Applicable value added tax will be included separately in the invoice on the billing day.

Updates and terms of delivery you will find at [www.detectomat.com](http://www.detectomat.com)

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