



Cerberus PRO – C-NET devices

Planning Tool

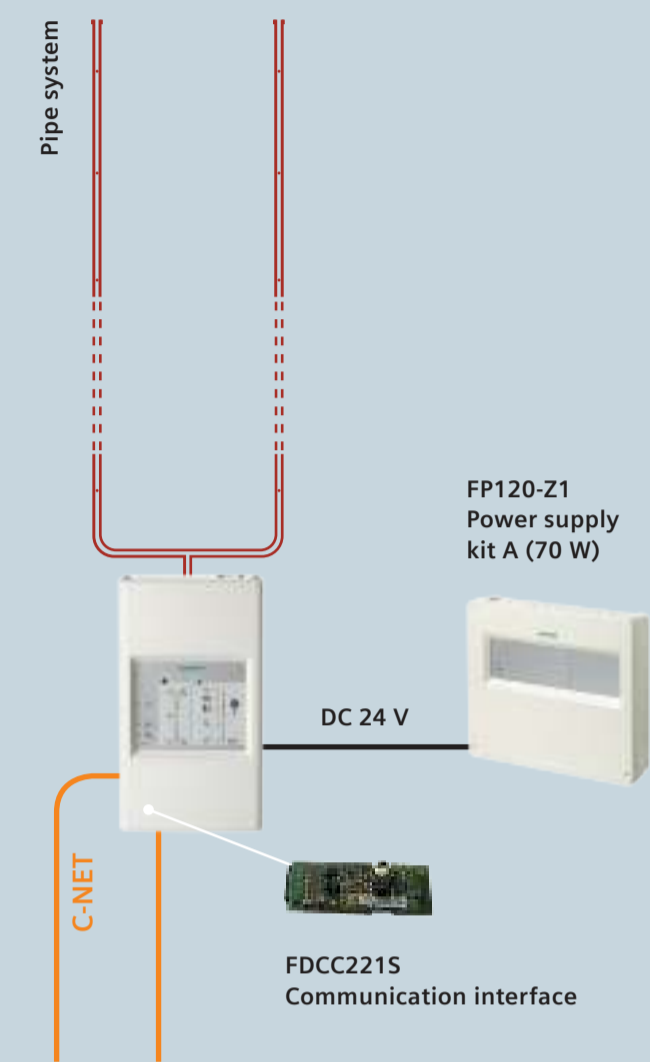
siemens.com/cerberus

Aspirating smoke detection

| | FDA221 | FDA241 |
|------------------------|---|--|
| Detection modes: | Ultra sense Automatic discrimination Robust | ✓ ✓ ✓ |
| Communication protocol | FDnet/C-NET | FDnet/C-NET |
| Operating voltage | DC 19...30 V | DC 19...30 V |
| Sound level | – High 33 dB – Medium 30 dB – Low 26 dB | – High 37 dB – Medium 33 dB – Low 30 dB |
| Display | – 3 alarm state indicators – Fault indicator – Bargraph for smoke and airflow level | – 4 alarm state indicators – Purge, dust, fault indicator – Bargraph for smoke and airflow level |
| Area coverage | up to 500 m² | up to 800 m² |
| Alarm threshold | – Prealarm and fire 1 (5 parameter sets) 0.14...2.0% obs/m – Fire 2 (5 parameter sets) 6.0...20% obs/m | – Inspect, prealarm and fire 1 (10 parameter sets) 0.03...2.0% obs/m – Fire 2 (10 parameter sets) 2.0...20% obs/m |
| Air inlet pipe | Metric: 21 mm ID...25 mm OD | Metric: 21 mm ID...25 mm OD |
| Pipe length | – 30 m (single pipe length) – 50 m total pipe length | – 60 m (single pipe length) – 120 m total pipe length |
| Relay outputs | 3x 2 A / 30 V | 4x 2 A / 30 V |
| Terminals | 0.2...2.5 mm² (AWG 12...30) | 0.2...2.5 mm² (AWG 12...30) |
| Dimensions (WxHxD) | 162x285x120 mm | 162x285x120 mm |
| Operating current | – 150 mA nominal – 250 mA in alarm | – 150 mA nominal – 250 mA in alarm |
| Operating temperature | -20...+60 °C | -20...+60 °C |
| Relative humidity | 5...95% rel. (no condensation) | 5...95% rel. (no condensation) |
| Protection category | IP30 | IP30 |
| Data sheet | A6V10331032 | A6V10331032 |
| Approvals | – CPR – VdS | – 0786-CPR-21270 – G213050 |

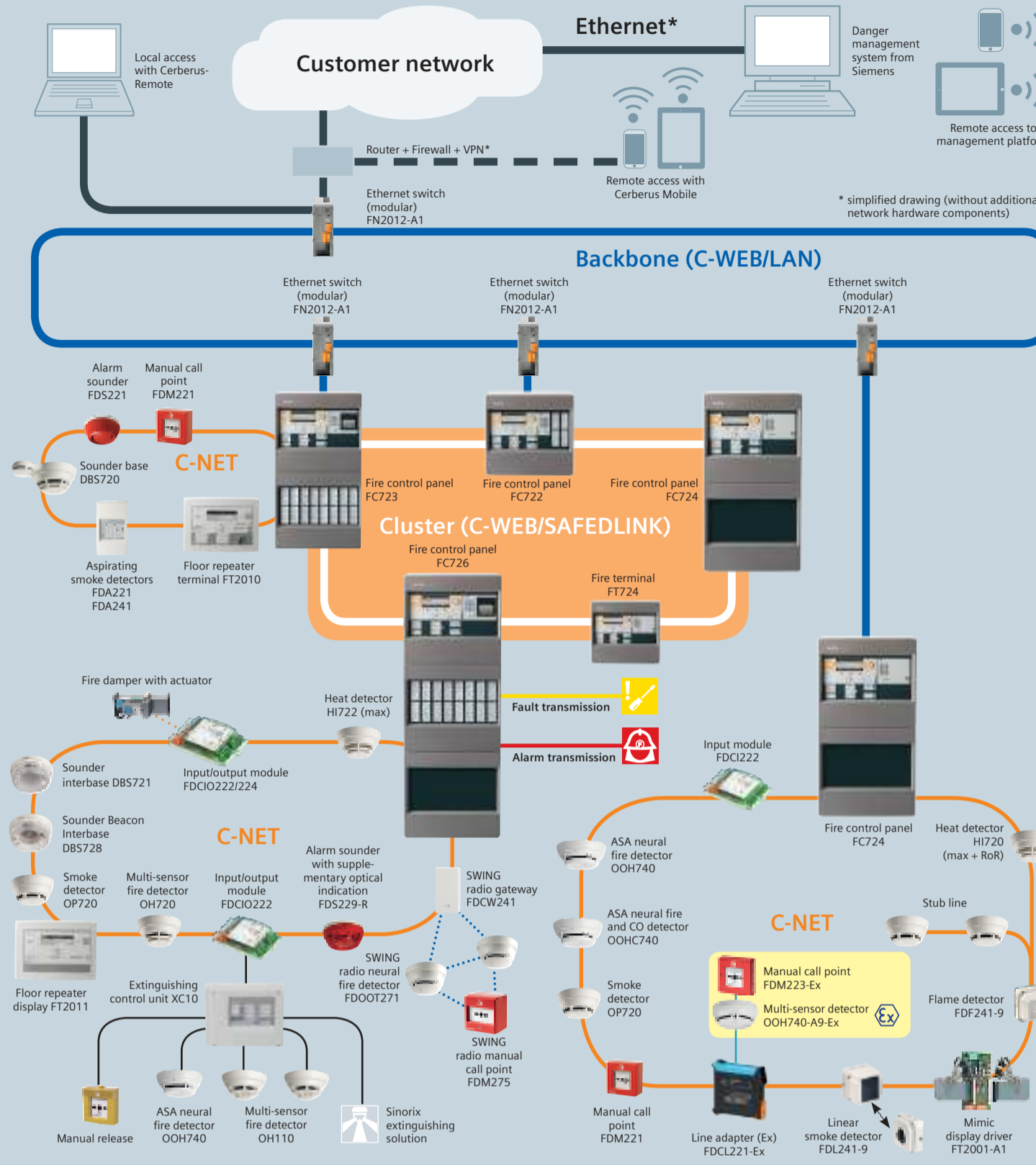
The aspirating smoke detector continually takes air from the monitored room using a connected pipe system with defined aspirating holes.

The position and size of the aspirating holes are calculated with the 'FXS2056 ASD Asyst tool V2' software.



Cerberus PRO – enjoy protecting

Powerful control panels, clever fire detectors and smart peripheral devices. This is what our comprehensive Cerberus™ PRO family offers. The overview below demonstrates the most important system components.



Alarm sounder tones

| No. | Tonality | Frequency pattern Sweep from – to | Pulse pattern | Norm |
|-----|----------------------------------|-----------------------------------|---------------|---|
| 1 | Continuous | 970 Hz | | "Evacuate" BS 5839 Part 1 1988 |
| 2 | Intermittent | 950 Hz | | "Alert" BS 5839 Part 1 1988 |
| 3 | Sweep-down | 1200 Hz – 500 Hz | | DIN-Tone DIN33404 Part 3 |
| 4 | Slow-whoop, sweep-up, linear | 500 Hz – 1200 Hz | | NEN2575 (Netherlands) |
| 5 | Pulse tone | 500 Hz | | Swedish Standard SS 03 17 11, No. 1 "Imminent Danger" |
| 6 | Intermittent | 500 Hz | | Swedish Standard SS 03 17 11, No. 6 "Local Warning" |
| 7 | Continuous | 500 Hz | | Swedish Standard SS 03 17 11, No. 4 "All clear" |
| 8 | Alternating | 560 Hz 440 Hz | | "French fire sound" NF S 32-001-1975 |
| 9 | Intermittent | 420 Hz | | Australia "Alert" AS 2220-1978 |
| 10 | Slow-whoop, sweep-up, linear | 500 Hz – 1200 Hz | | Australia "Action" AS 2220-1978 |
| 11 | Intermittent | 970 Hz | | ISO 8201 US Temporal Tone LF |
| 12 | Sweep-up | 800 Hz – 970 Hz | | BS Firetone |
| 13 | Sweep-up, continuous, slow-whoop | 150 Hz – 1000 Hz | | DE industrial alarm |

* 12 and 13 are only available for DBS728

Samples of all alarm sounder tones are available on the Cerberus PRO Web site.

Robust or sensitive? The solution often lies somewhere in between.

| High Suppression (PS8) | Suppression (PS5) | Suppression CO (PS12) | High Compensation (PS7) | Robust (PS2) | Balanced (PS4) | Balanced CO (PS10) | Fast Response (PS6) | High Sensitive Fast (PS9) | Super Sensitive (PS11) |
|--|---|---|---|--|--|--|--|---|--|
| | | | | | | | | | |
| <p>Application area For operating conditions susceptible to heavy optical deceptive phenomena. Examples include dance floors in discotheques (deceptive phenomena: dry ice) or churches during special services (deceptive phenomena: frankincense).</p> <p>Description The signal from the smoke sensor will not create a fire alarm signal until a simultaneous increase in the thermal signal is also detected. In the event of dry ice, there is no temperature increase and the detector will not create an unwanted alarm. With a rise in temperature of only 8K (open fire), the optical sensors will be further analyzed and if the signal corresponds to a fire, an alarm will be triggered. The detector will also trigger an alarm as a rate of rise heat detector or if its static temperature limit is exceeded.</p> <p>Expert advice "High Suppression" has clear advantages over traditional concepts where smoke detection is turned off completely and replaced by thermal detection during events where dry ice is used. This parameter set allows much faster detection than switching to purely thermal detection. This enhances safety at critical times where visibility is reduced and large numbers of people are in attendance. Further options include the ability to switch between parameter sets so that a more sensitive detection mode can be used when no dry ice is likely. The detector complies with the norm EN 54-5 and in some jurisdictions heat detector spacing may be applicable.</p> | <p>Application area Difficult environments subject to heavy deceptive phenomena. Application examples include canteen kitchens or manufacturing areas with operational-related deceptive aerosols.</p> <p>Description Highly robust behavior, therefore very suitable for applications with deceptive phenomena such as steam, heavy cigarette smoke or exhaust gases. At the same time, the detector reacts with the ASA parameter set and reliably in case of a real fire due to the dynamic influencing of the parameters. Sensitivity is also influenced by the CO concentration. Separate CO alarming and control for the detection of dangerous carbon monoxide build up. Separate signaling of environmental thermal thresholds.</p> | <p>Application area Difficult environments subject to heavy deceptive phenomena. Application examples include manufacturing areas with operational-related aerosols. Additional separate CO toxic gas detection and environmental monitoring.</p> <p>Description Highly robust behavior, thus very suitable for applications with deceptive phenomena such as steam, cigarette smoke, etc. At the same time, the detector reacts with the ASA parameter set quickly and reliably in case of a real fire due to the dynamic influencing of the parameters. Sensitivity is also influenced by the CO concentration. Separate CO alarming and control for the detection of dangerous carbon monoxide build up. Separate signaling of environmental thermal thresholds.</p> | <p>Application area Applications with deposits resulting from excessive dust or dirt over a long-time period. Here, optical detectors usually reach their limit quickly, resulting in a reduced operational lifetime.</p> <p>Description This parameter set is identical to the Robust setting except that the drift compensation is extended. This parameter set is therefore especially suited for rooms in which a lot of dust and other deposits can be expected to build up over a period of time. The detector maintains the set detector sensitivity and resistance to deceptive phenomena. The detector reacts quickly and reliably in case of a real fire.</p> | <p>Application area Difficult environmental conditions. Examples are event locations or underground garages with moderate deceptive phenomena and risks to individuals.</p> <p>Description Designed for robust behavior. This ASA parameter set is particularly suitable for applications with deceptive phenomena such as cigarette smoke, dust and exhaust gases. At the same time, the detector reacts very quickly and reliably in case of a real fire. Compared to the 'Suppression (PS5)' parameter set, the 'Robust (PS2)' parameter set may be used to improve detection speed on higher ceilings while still retaining sufficient resistance to false alarms.</p> | <p>Application area Standard applications. Rooms with moderate deceptive phenomena.</p> <p>Description For use in normal environments. This parameter set has a balanced response characteristic: sensitive in case of a fire but still tolerant of transient deceptive phenomena. Due to its distinct dynamic, the detector reacts quickly to open fires as well as smoldering fires. This ASA parameter set reacts robustly to deceptive phenomena such as cigarette smoke or small amounts of steam.</p> <p>Additional Information This parameter set is often used when the system is set in unattended mode (e.g. at night).</p> | <p>Application area Rooms where an increased CO concentration in the event of a fire is possible. Moderate deceptive phenomena.</p> <p>Description Using the three criteria: smoke, heat and CO the device is more sensitive to fires creating CO than the parameter set 'Balanced (PS4)' without the CO signal. The device is robust with deceptive phenomena such as cigarette smoke or a small amount of steam. This parameter set also offers early alarming in the event of fires generating a large amount of CO, e.g. mattress fires.</p> | <p>Application area Rooms in which sensitive and quick detection is essential such as rooms with high ceilings, warehouses with flammable material (increased risk of fire) and application areas where the detectors trigger an extinguishing system.</p> <p>Description This parameter set reacts in a fast and highly sensitive manner. It is thus especially suited for rooms without deceptive phenomena, where the priority is on detecting fires as early as possible.</p> <p>Expert advice The high thermal influence from open fires transports the dark smoke particles that are typical for this kind of fire quickly to the ceiling. Due to the backward scattering and the "Fast Response" setting, the detector is sensitive. This makes the detector a perfect replacement in situations where ionization detectors would normally have been considered optimal.</p> | <p>Application area Rooms in which an especially high sensitivity to smoldering and open fires is required. Examples include museums with high ceilings, clean production halls or applications where adequate life protection can only be ensured by the fastest possible detection. Due to special thermal algorithms, usage at low temperatures is also possible.</p> <p>Description This parameter set allows for fast and highly sensitive detection for both open and smoldering fires. It is therefore intended for use in clean environments with no deceptive phenomena.</p> | <p>Application area Applications in clean environments like data centers or clean rooms, where the fastest and most sensitive detection of smoldering and open fires is required to ensure business continuity.</p> <p>Description This parameter set allows for the fastest possible and highly sensitive detection for both open and smoldering fires. It is therefore intended for use in clean environments with no deceptive phenomena.</p> |
| Complies with the norm EN 54-5 | Complies with the norm EN 54-5, EN 54-7 | Complies with the norm EN 54-5, EN 54-7 | Complies with the norm EN 54-5, EN 54-7 | Complies with the norm EN 54-5, EN 54-7 | Complies with the norm EN 54-5, EN 54-7 | Complies with the norm EN 54-5, EN 54-7 | Complies with the norm EN 54-5, EN 54-7 | Complies with the norm EN 54-5, EN 54-7 | Complies with the norm EN 54-5, EN 54-7 |
| <p>Application examples Multi-purpose halls, theater stages, churches, dance floors in discotheques</p> | <p>Application examples Canteen kitchens, production areas with operational-related deceptive phenomena</p> | <p>Application examples Production areas with operational-related deceptive phenomena</p> | <p>Application examples Paper mills, carpenters workshops, textile production, recycling plants</p> | <p>Application examples Event locations, conference rooms, smoking rooms, gastronomy, industry, production, underground garages</p> | <p>Application examples Offices, open-plan offices, hallways, hotel rooms, out of hours use in harsh environments</p> | <p>Application examples Same as for 'Balanced (PS4)', but with increased sensitivity to smoldering fires creating CO gas</p> | <p>Application examples High-ceilinged rooms, storage rooms/warehouses with flammable material. It rooms and control of extinguishing systems</p> | <p>Application examples Hospital rooms, museums, operating rooms, cold storage, high-ceilinged rooms, when highly sensitive detection is of great importance</p> | <p>Application examples Clean rooms, data centers, museums, hospital rooms, operating rooms, cold storage, high-ceilinged rooms, when highly sensitive detection is of great importance</p> |

Specifications are subject to change without notice.

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When building technology creates perfect places –
that's ingenuity for life.
Never too cold. Never too warm.
Always safe. Always secure.
With our knowledge and technology, our products,
our solutions and our services, we turn places into
perfect places.
We create perfect places for their users' needs –
for every stage of life.
#CreatingPerfectPlaces
siemens.com/perfect-places

Cerberus PRO Planning Tool

C-NET devices



Cerberus PRO control panels

Cluster (C-WEB/SAFEDLINK)

Fire control panel FC726

Fire control panel FC723

Fire control panel FC724

Fire control panel FC722

Shared properties FT2010 and FT2011:

- Backlit display with plain text (6 lines of 40 characters each)
- Power supply and communication (individual address) via C-NET, additional DC 24 V feed (optional)
- Max. 8 FT2010/FT2011 per FC721/FC722
- Max. 16 FT2010/FT2011 per FC724
- Max. 50 FT2010/FT2011 per FC726

Floor repeater display FT2010-A1
Order no.: ASQ00017706

Fire control panel FC722
Order no.: ASQ00014104

Mimic display driver FT2001-A1
Order no.: ASQ00014417

LED flat cable 24 LEDs F50F410
Order no.: BPZ:5291410001

Line separator FDCL221
Only required to separate 2 adjacent stubs
Order no.: ASQ00004011

Multi-line separator module FDCL221-M
The multi-line separator has altogether nine integrated line separators with one individual addressing each and one LED indicator per separator. It can be connected to two separate C-NET loops.
Order no.: 554312-F6-A1

Extinguishing panel standard XC1001-A
The XC10 combined extinguishing and detection panel can be fully integrated into all Cerberus PRO systems via the FDCIO222 as an independent unit. All relevant incidents are forwarded to the connected control panels. The extinguishing control unit XC10 and the connected extinguishing valves must have a separate power supply. For XC10 variants please see separate XC10 Planning Tool.
Order no.: 554390-C1-A1

C-NET

The C-NET is a modern, multi-purpose bus system. It allows rapid, fail-safe communication between the Cerberus PRO bus elements and the fire control panel.

Characteristics:

- Use of all cable types (shielded or unshielded)
- Integration of star-shaped cable networks without modifications to cable network
- Acoustic and visual signaling on the loop
- Up to 40 T-taps
- Up to 252 bus elements on one loop
- Cable lengths up to 3.3 km with up to 252 bus elements
- 2-wire loop
- Power supply to all bus elements via the C-NET (except transponder FDCI223, FDCIO223, LaserFOCUS, extinguishing control unit XC10, ASD FAD221, FDA241)
- Integrated turbo isolator in every loop participant

Cerberus PRO fire detectors

Sounder base DBS720
Sound level: 88 dBA/1 m
Order no.: 554319-F5-A1

Detector base DB721
Order no.: 554319-F11-A1

Detector base DB722
Order no.: 554319-F19-A1

Flame detector FDF241-9
- For inside and outside applications
- Three infrared sensors
Order no.: ASQ00003006

Flame detector base FDFB291
Order no.: ASQ00003310

Linear smoke detector base FDLB291
Order no.: ASQ00003941

Linear smoke detector FDL241-9
Order no.: ASQ00002298

ASA neural fire detector OOH740
Two optical sensors, two heat sensors, one carbon monoxide sensor, ten parameter sets
Order no.: 554320-F7-A3

ASA neural fire and CO detector OOH740
Two optical sensors, two heat sensors, one carbon monoxide sensor, ten parameter sets
Order no.: 554320-F8-A3

Multi-sensor fire detector OH720
Combined optical and thermal sensors, two parameter sets
Order no.: 554310-F2-A1

Smoke detector OP720
Two parameter sets
Order no.: 554310-F1-A1

Heat detector HI722 (max)
One parameter set (static)
Order no.: 554310-F3-A1

Heat detector HI720 (max + RoR)
Two parameter sets (rate of rise and static)
Order no.: 554310-F4-A1

Detector base accessories

Detector base seal RS720
Order no.: 554319-F8-A1

Designation plate FDBZ291
Order no.: ASQ00002621

Detector locking device LP720
Order no.: 554319-F9-A1

Base attachment BA720
Order no.: 554319-F20-A1

Base attachment wet BA721
Order no.: 554319-F29-A1

Detector heating FDBH291
Order no.: ASQ00004439

Protection cage DBZ1194
Order no.: BPZ:4677110001

Test equipment

Adapter FDU0491
Order no.: 554319-F18-A1

Detector tester for heat detectors RE7T
Order no.: 554370-S3-A1

Line tester FDU221
Order no.: ASQ00004397

Detector tester for linear smoke detectors RE10
Order no.: BPZ:3685190001

Telescope rod FDMU291
Order no.: ASQ00004996

Detector tester for smoke detectors RE6
Order no.: BPZ:3680300001

Test lamp for flame detectors 'EX' StabexHF
Order no.: BPZ:4620910001

Scorpion controller SCORP 8000
Order no.: 554333-C91-A1

Testfire 1001-045 ST test kit REBST
Order no.: 554370-S23-A1

Test lamp for flame detectors LE3
Order no.: BPZ:3669510001

Scorpion ASD head unit SCORP 2001
Order no.: 554333-S90-A1

Testfire 2001-045 STCO test kit REBSTCO
Order no.: 554370-S24-A1

Alarm equipment (audible/visible)

Sounder base DBS720
Sound level: 88 dBA/1 m
Order no.: 554319-F5-A1

Alarm indicator (addressable) FDCAI221
Order no.: 554370-F10-A1

Sounder interbase (C-NET) DBS721
Sound level: 87 dBA/1 m
Order no.: 554372-F13-A1

Sounder beacon interbase (C-NET) DBS728
Sound level: 93 dBA/1 m
Order no.: 554372-F14-B1

Alarm sounder
Sound level: 99 dBA/1 m
FDS221-W (white)
Order no.: ASQ00006711

Alarm sounder with supplementary optical indication
Sound level: 99 dBA/1 m
FDS229-R (red)
Order no.: ASQ000023093

FDS229-A (amber)
Order no.: ASQ000023092

Sounder base FDB221
Order no.: ASQ00001664

Sounder base flat FDB222
Order no.: 554319-F1-A1

Interbase alarm accessories

Interbase seal RS721
Order no.: 554319-F32-A1

Blanking plate BP720
Order no.: 554372-B12-A1

Detector locking device LP720
Order no.: 554319-F9-A1

Designation plate DBZ1193A
Order no.: BPZ:4864330001

Alarm sounder accessories

Sealing element FDBZ295
(only together with base FDBZ221)
Order no.: 554319-F10-A1

Designation plate FDBZ291
Order no.: ASQ00002621

Base attachment FDBZ291
Order no.: ASQ00001603

Base attachment wet FDBZ295
Order no.: 554319-F2-A1

Designation plate DBZ1193A
Order no.: BPZ:4864330001

Detector locking device FDBZ293
Order no.: ASQ00005035

Legend for the designation of fire detectors:

- Back-bone (C-WEB/LAN) Network for connecting clusters
- Cluster (C-WEB/SAFEDLINK) Network for connecting panels
- C-NET Network for connecting Cerberus PRO addressable devices
- C-NET-Ex Network for connecting Cerberus PRO addressable Ex devices

Manual call points and accessories

Manual call point FDM221
Standard, available in different colors.

Manual call point FDM225
Resettable, available in red and can be used for flush mounting.

Manual call point FDM226
Resettable and IP66, available in red.

Manual call point FDM231-RP
Standard, available in red.

Manual call point FDM224
IP44 or IP64, with direct operation available in different colors.

Manual call point FDM223
IP44 or IP64, with indirect alarm actuation, available in different colors.

Manual call point FDM224H
Heavy Duty, IP44 or IP64, with direct alarm actuation.

Manual call point FDM223H
Heavy Duty, IP44 or IP64, with indirect alarm actuation.

Manual call point FDM243H
Heavy Duty, IP66, with direct alarm actuation.

Manual call point complete FDM221-RP
Order no.: 554311-F11-A1

Manual call point complete FDM225-RP
Order no.: ASQ00012020

Manual call point complete FDM226-RP
Order no.: ASQ00013436

Manual call point complete FDM231-RP
Order no.: 554311-F11-A1

Manual call point complete FDM224
Order no.: ASQ00013436

Manual call point complete FDM223
Order no.: ASQ00013436

Manual call point complete FDM224H
Order no.: ASQ00013436

Manual call point complete FDM223H
Order no.: ASQ00013436

Manual call point complete FDM243H
Order no.: ASQ00013436

Electronic switching unit FDM221
Order no.: ASQ00002451

Manual call point with resettable plastic element FDM225-RP
Order no.: ASQ00012020

Manual call point with resettable plastic element incl. back box FDM226-RP
Order no.: ASQ00013436

Manual call point with glass plate FDM225-RG
Order no.: ASQ00013434

Manual call point with glass plate incl. back box FDM226-RG
Order no.: ASQ00013435

Electronic switching unit incl. key FDM231-FME231
Order no.: 554311-B14-A1

Electronic switching unit FDM224
Order no.: ASQ00009392

Electronic switching unit FDM223
Order no.: ASQ00003087

Electronic switching unit FDM224
Order no.: ASQ00003992

Electronic switching unit FDM223
Order no.: ASQ00003087

Electronic switching unit FDM224H
Order no.: ASQ00005525

Electronic switching unit FDM223H
Order no.: ASQ00003087

Housings:
Housing red FDMH291-R
Order no.: ASQ00002217

Housing yellow with key FDMH291-Y
Order no.: ASQ00004979

Housing green with key FDMH291-G
Order no.: ASQ00004981

Housing blue with key FDMH291-B
Order no.: ASQ00004980

Accessories:
Back box FDMH295-R
Order no.: ASQ00013437

Back box with holes and grommet FDMH295-S
Order no.: ASQ00004980

Accessories:
Protective cover FDMC295
Order no.: ASQ00013440

Protective cover FDMC295
Order no.: ASQ00013438

Protective cover FDMC291
Order no.: ASQ00001644

Protective cover FDMC295
Order no.: ASQ00013440

Back nut M20
Order no.: ASQ00004478

Screwed cable gland M20 x 1.5
Order no.: ASQ00004479

Locking plug M20 (1 hole)
Order no.: ASQ00006735

Protection seal DMZ1197-AD
Order no.: BPZ:5470680001

Protective cover DMZ1197-AC
Order no.: ASQ00006735

Protective cover DMZ1197-AC
Order no.: BPZ:5470680001

Protective cover DMZ1197-AC
Order no.: BPZ:5223550001

Screwed cable gland M20 x 1.5
Order no.: ASQ00004478

Protective cover DMZ1197-AC
Order no.: BPZ:5223550001

Screwed cable gland M20 x 1.5
Order no.: ASQ00004478

Conventional vs. Addressable

Conventional

Single action DMA1104D
Protection category: IP54
Order no.: ASQ00005925

Double action DMA1103D
Protection category: IP54
Order no.: ASQ00004470

DMA1192-AA
Order no.: BPZ:5222870001

Multi-sensor detector OOH740-A9-Ex
Order no.: 554329-F8-A1

Safety barrier SB3
Order no.: BPZ:4837000001

Infrared flame detector unit collective 'EX' DF1101-Ex
Order no.: BPZ:5162220001

Base for infrared flame detectors DF119x
DF1190
Order no.: BPZ:5165360001

Air sampling smoke detection kit FDBZ290
Order no.: 554319-F32-A1

Detector base DB721
Order no.: 554319-F11-A1

ASA neural fire detector OOH740
Order no.: 554320-F7-A3

Aspirating smoke detectors FDCI221
Order no.: 554333-F15-A1

FDA241
Order no.: 554333-F17-A1

Accessories:
Communication interface FDC221S
Order no.: 554400-B124-A1

Power supply kit FP120-Z1
Order no.: 554400-S122-A1

Housing FDC221
IP65
Order no.: 554312-F3-A1

Addressable

Alarm indicator FDAI92-Ex
Order no.: 554370-F4-A1

Alarm indicator FDAI93-Ex
Order no.: 554370-F6-A1

Detector base addressable FDB221
Order no.: ASQ00001664

Multi-sensor detector OOH740-A9-Ex
Order no.: 554329-F8-A1

Detector base flat, addressable FDB222
Order no.: 554319-F1-A1

Manual call point FDM223-Ex
Order no.: 554329-F5-A1

Line adapter (Ex) FDCL221-Ex
Order no.: 554329-F4-A1

Input/output module FDCIO221
- 1 monitored input
- 4 monitored outputs
Relay outputs:
- 4 potential-free working/rest contacts
- 1 output
- Relay output DC 30 V/2 A rated
- Can be configured as monitored, but a separate DC 24 V power supply is required
Order no.: 554312-F2-A1

Input/output module FDCIO222
- 4 monitored inputs
- 4 monitored outputs
Relay outputs:
- 4 potential-free working/rest contacts
- Contact loading:
- AC 250 V/4 A
- DC 30 V/4 A
Order no.: ASQ00002369

Input/output module FDCIO223
- 4 monitored inputs
- 4 monitored outputs
Relay outputs:
- 4 potential-free working/rest contacts
- Connecting conventional detectors
- Connecting detectors by means of safety barriers in explosion-protected areas
- Controlling alarm devices (flashing lights, sirens)
- For monitored control (e.g. fire dampers)
- Requires DC 24 V power supply unit
Order no.: 524218-B102-A1

Input module FDCI221
- 1 monitored input
Order no.: 554312-F1-A1

Input module FDCI222
- 4 monitored inputs
Order no.: ASQ00001984

Input/output module 'transponder' FDCIO223
The module has two inputs/outputs and is used for:
- connecting conventional detectors
- connecting detectors by means of safety barriers in explosion-protected areas
- controlling alarm devices (flashing lights, sirens)
- for monitored control (e.g. fire dampers)
- requires DC 24 V power supply unit
Order no.: 524218-B102-A1

Output module (230 V) FCA1209-Z1
The output module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.
Order no.: 554400-B124-A1

4 isolated control outputs

4 isolated control outputs

2 inputs or 2 outputs

Conventional line

Conventional detectors

SWING radio fire detection

Radio gateway FDCW241
The radio gateway FDCW241 enables bidirectionally connect up to 30 battery-powered SWING radio devices.
Order no.: 554370-F11-A1

SWING devices are communicating via multi-band (433/868 MHz) multi-hop mesh technology

Base FDB271
Order no.: 554319-F12-A1

Radio manual call point FDM275
Order no.: 554323-F105-A1

Radio manual call point FDM273
Order no.: 554323-F108-A1

Radio manual call point FDM273
Order no.: 554323-F109-A1

Keying red, with glass and key FDMH273-R
Order no.: 554323-F105-A1

Switching unit with indirect alarm actuation FDM273
Order no.: 554323-F108-A1

Protective cover DMZ1197-AC
Order no.: BPZ:5223550001

Battery BAT3, 6-10
Order no.: 554370-Z11-A1