



Loop units

– a wide range covering your basic fire detection needs

We provide a wide range of loop units for our fire detection systems. Our detectors, manual call points, I/O units, control units and alarm units are developed and approved according to European directives (CPD) requiring EN 54 compliance and other appropriate worldwide regulations.

The loop units are available both with and without SelfVerify function. SelfVerify solves all issues of manual maintenance, leaving time consuming and costly physical testing redundant. With AutoSafe SelfVerify®, the system checks all detectors, interfaces, connections and cables – from detector chamber to alarm output – every single day.







Not only does the system test whether a detector is capable of provoking

an alarm, it even verifies the sensitivity of every detector with a calibrated signal. The SelfVerify system ensures that each detector always responds to the correct alarm level. In the event of irregularities, the display on the operating panel will accurately pinpoint the source of any problem.

SelfVerify ensures that you have the safest and most reliable fire safety system available – a system ensuring optimal detection.







Input and output units

We offer a wide range of input and output units for many different applications. The system features Exn, Exia and Exd approved input and output units for high risk applications. All input and output units feature automatic addressing and short-circuit protection.

Image	Part number	Description	Configurable input	Monitored input	Monitored output	Inputs/outputs	Requires external PSU	SelfVerify	For AutoSafe only	For use in EX areas	Ingress Protection level*	Notes
	116-BN-180	AutoKeeper						•	•		IP30	Use two units to access one loop from two loop controllers. DIN rail mounting in cabinet.
	116-BN-201	Monitoring unit	•	•		1/0					IP54 IP67	For external units
	116-BN-221/01	Extinguishing control unit		•	•	2/1	•		•		IP67	
	116-BN-221/02	Output unit with 7 A relay			•	0/1	•		•		IP67	Loop controlled FAD unit
	116-BN-303	Single monitored input unit	•	•		1/0		•			IP54 IP67	Function selectable via dip switch
	116-BN-304	Input/output unit	•	•	•	1/1		•			IP54 IP67	Function selectable via dip switch






*: When two degrees of protection is given, the lowest is relevant when using the included glands. To achieve the highest, special IP67 glands must be ordered (see page 40)

Input and output units (cont.)

Image	Part number	Description	Configurable input	Monitored input	Monitored output	Inputs/outputs	Requires external PSU	SelfVerify	For AutoSafe only	For use in EX areas	Ingress Protection level*	Notes
	116-BN-305	Dual monitored input/output unit	•	•	•	2/2		•			IP54 IP67	Function selectable via dip switch
	116-BN-307	Monitored Fire Alarm Device Control Unit			•	0/1	•	•			IP54 IP67	
	116-BN-320	Interface unit	•	•		2/1		•			IP54 IP67	For AutoFlame/ AutoBeam 25/ AutoSense 200/FireRay 5000
	116-BN-320/2	Door control unit		•		2/1		•			IP54 IP67	
	116-BN-320/4	Standard control unit		•		2/1		•			IP54 IP67	Control of external equipment
	116-BN-320/5	Monitoring unit		•		1/0		•			IP54 IP67	For sprinklers

*: When two degrees of protection is given, the lowest is relevant when using the included glands. To achieve the highest, special IP67 glands must be ordered (see page 40)

Input and output units (cont.)

Image	Part number	Description	Configurable input	Monitored input	Monitored output	Inputs/outputs	Requires external PSU	SelfVerify	For AutoSafe only	For use in EX areas	Ingress Protection level*	Notes
	116-BNB-330A	Loop adapter unit for conventional loops		•		1/1	•	•	•		IP67	Replacement unit for BNB-330 in existing AutoSafe 3 systems
	116-BNB-331	Loop adapter unit for conventional loops		•		1/1	•	•			IP67	AutoSafe ver. 4.4.1 → Autoprime ver. 2.0 →
	116-BN-500/EX	Input unit	•	•		1/0		•		•	IP54 IP67	For interfacing external units, clean contacts, alarm relays, etc. Zones 0, 1 & 2
	116-BN-500/N	Input unit	•	•		1/0		•		•	IP54 IP67	For interfacing external units, clean contacts, alarm relays, etc. Zone 2
	116-BN-505/EXD	Input unit with BNB-300	•	•		1/0		•		•	IP66	Zones 1 & 2 only





*: When two degrees of protection is given, the lowest is relevant when using the included glands. To achieve the highest, special IP67 glands must be ordered (see page 40)

Detectors



We offer a wide range of detectors for many different applications, with or without SelfVerify. The following series are available:

- 200 Series, standard interactive addressable detectors.
- 300 Series with SelfVerify, interactive addressable detectors.
- 500 Series with SelfVerify, interactive addressable detectors for use in demanding environments.

The system also offers Exn and Exia approved versions of detectors designed for use in high risk applications. S Series smoke detectors are specially designed for applications where high sensitivity is required.

Image	Part number	Heat	Smoke	MultiSensor	SelfVerify	Including base	Environmentally sealed	For use in EX areas	For EX zone 2 only	High sensitivity	Sealed unit	Wet/dry areas	Ingress Protection level	Notes	
	116-5861-033.0150	•			•		•					W/D	IP65	SWM-1KL 140°C	
	116-BD-200M	•				•	•					•	W	IP56	For steam saunas/cold stores (-30 °C)
	116-BD-501	•			•	•	•					•	W	IP56	
	116-BD-501/EX	•			•	•	•	•				•	W	IP56	
	116-BD-501/N	•			•	•	•		•			•	W	IP56	
	116-BD-505/140EXD	•			•	•		•				•	W	IP66	60 °C, non-configurable class, explosion proof
	116-BD-505/160EXD	•			•	•		•				•	W	IP66	70 °C, non-configurable class, explosion proof
	116-BD-505/190EXD	•			•	•		•				•	W	IP66	90 °C, non-configurable class, explosion proof
	116-BDH-200	•											D	IP44D	
	116-BDH-300	•			•								D	IP44D	
	116-BDH-500/EX	•			•		•	•						IP44D	
	116-BDH-500/N	•			•				•					IP44D	

Detectors (cont.)






Image	Part number	Heat	Smoke	MultiSensor	Including base	SelfVerify	Environmentally protected	For use in EX areas	For use in EX zone 2 only	High sensitivity	Sealed unit	Wet/dry areas	Ingress Protection level	Notes
	116-BHH-200		•										IP44D	
	116-BHH-300		•			•							IP44D	
	116-BHH-500/EX		•			•	•	•					IP44D	
	116-BHH-500/N		•			•	•		•				IP44D	
	116-BHH-500/S		•			•	•			•			IP44D	
	116-BHH-500/S/Ex		•			•	•	•		•			IP44D	
	116-BHH-500/S/N		•			•	•		•	•			IP44D	
	116-BHH-220			•									IP44D	
	116-BHH-320			•		•							IP44D	
	116-BHH-520/EX			•		•	•	•					IP44D	
	116-BHH-520/N			•		•	•		•				IP44D	

Manual call points / release stations

AutoSafe offers a wide range of manual call points for different applications, every unit features SelfVerify.
Two main series are available:




- 300 Series with SelfVerify, interactive addressable manual call points.
- 500 Series with SelfVerify, interactive addressable manual call points for use in demanding environments.

The system features Exn and Exia approved versions for high risk applications.

Image	Part number	Description	For use in EX areas	Zone 2 only	Watertight / outdoor model	Extreme environments	LED indicator	Metal connection box	Glass NOT included	Optional duty label*	Degree of protection
	116-BF-300V2	Manual call point					•				IP42D w/o cover IP44D w cover
	116-BF-510WP-H	Manual call point			•	•	•				IP52 w/o cover IP55 w cover
	116-BF-510WP-HM	Manual call point, cable glands pre mounted, robust mounting plate.			•	•	•				IP52 w/o cover IP55 w cover
	116-BF-500V2/EX	Manual call point	•								IP44D**
New design 2016	116-BF-500/N	Manual call point		•					•		IP44D**
	116-BF-501	Manual call point			•	•					IP66
	116-BF-501/EX	Manual call point	•		•	•					IP66
	116-BF-501/N	Manual call point		•	•	•					IP66

** : Ingress Protection level, inner housing.

Manual call points / release stations (cont.)






Image	Part number	Description	For use in EX areas	Zone 2 only	Watertight / outdoor model	Extreme environments	LED indicator	Metal connection box	Glass NOT included	Optional duty label*	Degree of protection
	116-BF-502	Manual call point			•	•					IP66
	116-BF-502/EX	Manual call point	•		•	•					IP66
	116-BF-502/N	Manual call point		•	•	•					IP66
	116-BF-503/EX/0100	Manual call point	•		•	•			N/A		IP66
	116-BF-503/N/0100	Manual call point		•	•	•			N/A		IP66
	116-KIT-BF-503/EX/0300	Release station	•		•	•			N/A	•	IP66
	116-KIT-BF-503/N/0300	Release station		•	•	•			N/A	•	IP66
	116-KIT-BF-503/0400	Release station			•	•			N/A	•	IP66
	116-KIT-BF-503/EX/0400	Release station	•		•	•			N/A	•	IP66
	116-KIT-BF-503/N/0400	Release station		•	•	•			N/A	•	IP66
	116-KIT-BF-503/0500	Release station			•	•			N/A	•	IP66
	116-KIT-BF-503/EX/0500	Release station	•		•	•			N/A	•	IP66
	116-KIT-BF-503/N/0500	Release station		•	•	•			N/A	•	IP66
	116-BFG-3/XX	Glass for call point, available in several languages. Replace XX with country code. No ending = No text GB = English GB/AR = English and Arabic N/GB = Norwegian and English SU = Russian									

*Duty lables

Part number	Text	Part number	Text
116-E-2327/1	Inergen utløsning Inergen Release	116-E-2327/26	CO2 Release station
116-E-2327/2	Brannmelder Fire alarm	116-E-2327/27	CO2 Inhibit station
116-E-2327/3	Water release	116-E-2773/1	Abandon ship
116-E-2327/4	Fire Brann	116-E-2773/2	Abandon
116-E-2327/5	Vannutløsning Water release	116-E-2773/3	Gass Gas
116-E-2327/6	Inergen press. Release	116-E-2773/4	Vanntåke
116-E-2327/7	Vannutløser Water release	116-E-2773/5	ESD 2
116-E-2327/8	Fire Monitor Water release	116-E-2773/6	CO2 release & inhibit station
116-E-2327/9	Deluge Water release	116-E-2773/7	VEEUDU KÄIVITAMINE
116-E-2327/10	Deluge release	116-E-2773/8	Argonite
116-E-2327/11	Vanntåke Water mist	116-E-2773/9	General emergency alarm
116-E-2327/12	Alarm	116-E-2773/10	Argonite Release
116-E-2327/13	Overrisling Deluge	116-E-2773/11	ESD
116-E-2327/14	Start fire pumps Старт пожарный насос	116-E-2773/12	Electrical isolation
116-E-2327/15	Vanntåke Utløsning	116-E-2773/13	MCP Ручной извещатель
116-E-2327/16	Overrisling	116-E-2773/14	ESD AB. OCT.
116-E-2327/17	Fire Push button	116-E-2773/15	CO2 Manual station abort
116-E-2327/18	General Alarm	116-E-2773/16	CO2 Manual station release
116-E-2327/19	FM200 release	116-E-2773/17	Manual alarm call point
116-E-2327/20	FM200 inhibit	116-E-2773/18	Extinguishant release pushbutton
116-E-2327/21	Fire	116-E-2773/19	East monitor actuation
116-E-2327/22	Water mist release	116-E-2773/20	West monitor actuation
116-E-2327/23	Start Firewater pump	116-E-2773/21	Foam system release
116-E-2327/24	Start Foam skid	116-E-2773/22	Vannutløser Deluge release
116-E-2327/25	Clean Agent release		






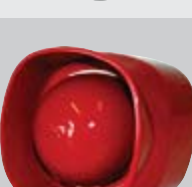
Control units

For the fire detection systems, Autronica offers control units for enabling and disabling of detectors, as well as daytime/nighttime units. Available in several language versions. Replace XX with country code.

Image	Part number	Description	Number of buttons	For external control	Configurable delay	For AutoSafe only	Ingress Protection level	Notes
	116-BW-200/XX	Disabling unit	2		•		IP66	Available in Swedish, English and Russian
	116-BW-201/XX	Disabling unit	0	•		•	IP66	Available in Swedish and English
	116-BW-202/XX	Daytime/Nighttime unit	2		•	•	IP66	Up to two units can be powered from detector loop. To connect more units, external 24 VDC power is required. Available in English only.
	116-BW-203/XX	Daytime/Nighttime unit	0	•		•	IP66	Up to two units can be powered from detector loop. To connect more units, external 24 VDC power is required. Available in English only.
	116-BU-200	Alarm controller unit	2			•	IP66	

Alarm units

Autronica Fire and Security offers a wide range of alarm units for mounting on detection loops or dedicated alarm outputs.



Image	Part number	Description	Alarm output mounting	Loop mounting	Electronic	Signal presets	Configurable	Watertight	Sound	Light	Sound output (dBA/1 m)	Cov.Vol.Code EN 54-23	Ingress Protection level	Notes
	116-BBL-100	Addressable alarm indicator		•						•	-	-	IP32C	
	116-BBL-100/IP	Addressable alarm indicator		•				•		•	-	-	IP65	
	116-BBR-7M	Conventional alarm bell 6"	•						•		93	-	IP55	
	116-BBR-24	Conventional alarm bell 6"	•						•		91	-	IP42	
	116-BBR-130	Addressable base sounder		•	•		•				90	-	IP32C	Combined detector base and addressable sounder.
	116-BBR-230	Addressable sounder		•			•		•		100	-	IP32C	

*: Slow whoop version available. When ordering, place /NL behind the article number.







Alarm units (cont.)

Image	Part number	Description	Alarm output mounting	Loop mounting	Electronic	Signal presets	Configurable	Watertight	Sound	Light	Sound output (dBA/1 m)	Cov.Vol.Code EN 54-23	Ingress Protection level	Notes
	116-BBR-230/IP	Addressable sounder		•			•	•	•		100	-	IP65	
	116-BBQ-130	Addressable base sounder w/alarm indicator		•			•		•	•	90	-	IP21C	Combined detector base and addressable sounder/alarm indicator.
	116-BBQ-230	Addressable sounder/alarm indicator		•			•		•	•	100	-	IP32C	
	116-BBQ-230/IP	Addressable sounder/alarm indicator		•			•	•	•	•	100	-	IP65	
	116-BU-47	Conventional alarm indicator	•							•	-	-	IP30	
	116-7770-009.0000	Askari conventional sounder	•		•	•		•	•		68-106	-	IP54	







Alarm units (cont.)

Image	Part number	Description	Alarm output mounting	Loop mounting	Electronic	Signal presets	Configurable	Watertight	Sound	Light	Sound output (dBA/1 m)	Cov.Vol.Code EN 54-23	Ingress Protection level	Notes
	116-7770-009.0001	Askari conventional sounder	•		•	•		•	•		68-106	-	IP54	
	116-7770-009.0002	Roshni LP conventional sounder, shallow base	•		•	•		•	•		102	-	IP54	
	116-7770-009.0004	Roshni LP conventional sounder, shallow base	•		•	•		•	•		102	-	IP54	
	116-7770-009.0005	Roshni conventional sounder, deep base	•		•	•		•	•		102	-	IP65	
	116-7780-004.0001	Flashni conventional sounder/beacon, shallow base	•			•		•	•	•	101	-	IP54	
	116-7780-004.0002	Flashni conventional sounder/beacon, deep base	•			•		•	•	•	101	-	IP65	


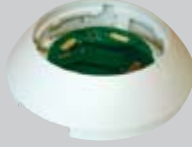





Alarm units (cont.)

Image	Part number	Description	Alarm output mounting	Loop mounting	Electronic	Signal presets	Configurable	Watertight	Sound	Light	Sound output (dBA/1 m)	Cov.Vol.Code EN 54-23	Ingress Protection level	Notes
	116-7780-004.0004	Flashni conventional sounder/beacon, shallow base	•			•		•	•	•	101	–	IP54	For Qatar only
	116-4340-003.4001	Signal light BLG-LED	•		•	•	•	•		•	–	–	IP67	
	116-4340-006.0201	Xenon conventional beacon	•		•					•	–	–	IP55	
	116-4340-006.0924	Solex conventional beacon, shallow base	•		•			•		•	–	–	IP54	
	116-4340-006.0925	Solex conventional beacon, deep base	•		•			•		•	–	–	IP54	
	116-4340-006.0926	Solex conventional beacon, shallow base	•		•			•		•	–	–	IP54	

Alarm units (cont.)

Image	Part number	Description	Alarm output mounting	Loop mounting	Electronic	Signal presets	Configurable	Watertight	Sound	Light	Sound output (dBA/1 m)	Cov.Vol.Code EN 54-23	Ingress Protection level	Notes
	116-4340-007.0001	Solista LX conventional beacon, wall mounted , deep base	•		•	•		•		•	-	W-2.4-7.5	IP65	Red flash
	116-4340-007.0002	Solista LX conventional beacon, ceiling mounted, shallow base	•		•	•	•			•	-	C-3-7.5	IP33C	Red flash
	116-4340-007.0005	Symphoni LX WP conventional base beacon, wall mounted	•		•	•	•	•		•	-	W-2.4-7.5	IP66	Red flash
	116-7770-009.0040	Symphoni IP66							•		100	-	IP66	For use with 116-4340-007.0005
	116-4340-007.0007	Solista LX wall, shallow base	•		•	•	•			•	-	C-3-7.5	IP33C	Red flash
	116-4340-007.0008	Symphony G1 LX, wall	•		•	•	•			•	100	W-2.4-7.5	IP21C	Red flash
	116-4340-007.0009	Symphony G1 LX, wall	•		•	•	•			•	100	W-2.4-7.5	IP21C	Red flash

Accessories for loop units

Image	Part number	Description
	116-BWA-100	Base for interactive detector heads
	116-BWB-110	Base adapter for analogue addressable detectors mounted on interactive loops
	116-BWP-100/20	Drip proof conduit box with 2 x M20 cable glands (4 x lock outs)
	116-BWP-100/25	Drip proof conduit box with 4 x lock outs for M25 glands
	116-BWP-143A	Ventilation duct adapter, for interactive systems
-	116-BJ-358/100	Pipe kit, L=100 mm
-	116-BJ-358/150	Pipe kit, L=150 mm
-	116-BJ-358/300	Pipe kit, L=300 mm
-	116-BJ-358/550	Pipe kit, L=550 mm
-	116-BJ-358/800	Pipe kit, L=800 mm
-	116-BJ-358/1000	Pipe kit, L=1000 mm
	116-BWP-145	Heated detector base
-	116-8142-983.5115	Transformer 230/48 V for up to 10 BWP-45/BWP-145
	116-BZ-500	Galvanic barrier for Exia-approved detectors, for mounting in field. If power to the unit is supplied from the panel, a 24 V DC/DC converter, e.g. 116-4660-055.0001 (page 21) must be used to regulate the power.

Accessories for loop units (cont.)

Part number	Description
116-WBW-100	Bypass unit for BWA-100
116-WBW-101	Mounting plate for false ceilings
116-WBJ-140	Installation/extraction tool for AutoSafe detectors
116-4860-011.0100	Cover for manual call point BF-300V2
116-CXBZ	Bezel for manual call point BF-300V2, flush mounting
116-4860-011.9901	Key for manual call point BF-300V2 and BF-510WP-H (10 pack).
116-4890-021.0001	Lift flap in polycarbonate for manual call point 116-BF-502, all versions
116-4890-021.0010	Lift flap in stainless steel for manual call point 116-BF-502, all versions
116-4890-022.0001	Lift flap in polycarbonate for manual call point 116-BF-501, all versions
116-4890-022.0010	Lift flap in stainless steel for manual call point 116-BF-501, all versions
116-BW-240	Deep mounting plate for base sounder
116-6550-125.0075	Spacer for open installation of BBR-110 alarm unit
116-6571-011.1920	Cable gland M20-1.5 for Ingress Protection level IP67 for I/O units. NB! Order with 116-6531-006.1920
116-6531-006.1920	Backnut for cable gland IP67. NB! Order with 116-6571-011.1920
116-7770-009.0008	Power base 230V for Roshni alarm unit

Test/measuring equipment

Part number	Description
116-WBJ-5/01	Test gas dispenser for smoke detectors, excluding pole
116-WBJ-5/02	Telescopic pole, 1,26 m to 4,5 m. 1,8 kg.
116-WBJ-5/03	Expansion pole, 1,13 m. 0,5 kg
116-WBJ-5/04	Test gas for smoke detectors
116-WBJ-6/01	Heat detector test kit, battery operated, 2 x batteries and charger included (for WBJ-5/02)
116-WBJ-10	Testifire smoke/heat detector test kit (head unit 2 x battery baton and fast charger)
116-WBJ-10/01	Testifire smoke/heat head unit
116-WBJ-10/02	Smoke capsule for WBJ-10 (6 pack)
116-WBJ-10/03	Solo 760 battery baton
116-WBJ-10/04	Solo 725 universal fast battery charger