



CONNECTION MODULES AND COMPONENTS IN BUS-1 TECHNOLOGY

NEW

- histar 360° ceiling detector
- 24 V universal module
- 230 V control module
- comstar pro motion detector
- Alarm point moduls
- Smoke detector
- Thermal detector
- Manual call point





SMART COMPONENTS – FOR THE BUS-1.

BUS-1 technology from TELENOT – added value thanks to intelligent building technology for private and commercial end clients!

- The TELENOT BUS-1 technology creates the pre-requisite for a modern and efficient building installation when it comes to alarm signaling concepts.
- The fact that the detectors can be activated and evaluated selectively enables good operating convenience and guarantees a high level of security.
- Modern cabling in BUS-1 technology enables installation to take place in a time and cost-efficient manner.
- At the same time, the TELENOT hazard alarm control panels are able to assume numerous functions in the smart home and building management field.
- A raft of modern BUS components is available for the different requirements.
- In the process, the benefits of BUS technology can be used not only for new systems. Existing systems can be retrofitted and expanded with the BUS modules too.

The BUS-1 technology from TELENOT offers important benefits for both the installer and the end client.

- The complex 200H and complex 400H hazard alarm control panels as well as the compact easy wireless alarm system have a modular structure. This means that comprehensive security concepts can be realized in commercial and industrial settings as conveniently and efficiently as security solutions in private contexts.



UNIVERSAL AND CONTROL MODULES



- The **universal modules** connect 2 alarm points in conventional connection technology with the BUS-1. On the output side, two floating relays can be activated to control low-voltage loads.
- The **control module** is intended for top-hat rail installation in electrical distributors. It is thus ideal for all control tasks when it comes to electrical installation. The 4 floating output relays are activated via the BUS-1. They control 230 V user devices up to 16 A.

MOTION DETECTOR



All TELENOT motion detectors can be obtained with a BUS-1 connection. This enables the room surveillance to be integrated into the BUS system simply and quickly. BUS detectors are available for every application case:

- Passive infrared detectors in VdS class B and C
- DUAL infrared/microwave detectors in VdS class B and C
- DUAL infrared/microwave ceiling detectors in VdS class B and C

The comstar pro and comstar pro DUAL motion detectors as well as the histar DUAL 360 ceiling detector enjoy the new XTRAP technology (Extended Threshold Regulated Algorithm with Power-management). This advancement to the time-tested TRAP technology enables improved detection behavior with further reduced power consumption.



FIRE DETECTOR



Responsible operators ever increasingly wish to use fire detectors to realize property surveillance too. Two solutions are possible here:

- Visual, thermal, or multiple sensor detectors that can be connected directly to the BUS-1.
- Self-sufficient, battery-operated smoke warning detectors (conforming to EN 14604) or thermal warning detectors that can forward the message additionally via the BUS-1 in the case of an alarm.

ALARM POINT MODULS



The alarm point modules are the interface between conventional connection technology (contacts) and the BUS-1. 1 to 5 alarm points can be connected to the modules, depending on the type. They represent a fast and inexpensive method of connecting a large number of contact detectors (e.g. magnetic contacts, glass-break detectors) to the hazard alarm control panel's detector bus. Many models are additionally equipped with distributors in soldered or LSA plus technology. The integrated distributors can be used for wiring or to expand the cross-section and thus save having to implement additional distributors. A custom BUS subscriber address can be set on each module using a switch.

DAY ALARM SYSTEM



Due to safety considerations, external doors acting as emergency exits must not be locked. The day alarm system enables these doors to be monitored for them being opened. If the door is opened, the device immediately triggers an audible and visual alarm (if set). At the same time, the alarm message can be transmitted via the BUS-1 to an intruder alarm control panel.

MANUAL CALL POINT



Non-automatic detectors for connection to BUS-1 in two versions:

- In blue housing for the 'BUILDING ALARM' application
- In yellow housing for the 'AMOK ALARM' application

INFRARED LIGHT CURTAIN



The infrared light curtains enable surface surveillance for reach-through or diving-through to be realized with minimum installation effort. The fact that the infrared light curtains have different installation and surveillance heights enable them to be adjusted to the local conditions very easily.

SMART ALARM POINT MODULES – FOR THE BUS-1.









ALARM POINT MODULES, UNIVERSAL- AND CONTROL MODULES FOR THE BUS-1



Designation	Assembly	Inputs (thereof resettable)	Outputs	Distributor - number of poles	BUS addresses	Article number
 1-MGMV aP BUS-1 detector group module VdS class C (G 108018)	surface mount Housing type K20	1 (1)		8 (solder)	1	100075570
 2-MGMV aP BUS-1 detector group module VdS class C (G 108018)	surface mount Housing type K20	2 (2)		8 (solder)	2	100075560
 2-MGMV uP BUS-1 detector group module VdS class C (G 108018)	recess- mounted	2 (2)		8 (solder)	2	100075564
 2-MGM 55 uP BUS-1 detector group module VdS class C (G 108019)	recess- mounted	2 (2)			2	100075568
 5-MGM aP BUS-1 detector group module VdS class C (G 108020)	surface mount Housing type K20	5 (1)	4		1/5 selectable	100075540
 5-MGM aP BUS-1 detector group module VdS class C (G 108021)	recess- mounted	5 (1)	4		1/5 selectable	100075544
 5-MGM aP with distributor BUS-1 detector group module VdS class C (G 108020)	surface mount Housing type K30	5 (1)	4	32 (solder)	1/5 selectable	100075541
 5-MGM aP with distributor BUS-1 detector group module VdS class C (G 108020)	surface mount Housing type K30	5 (1)	4	16 DA (LSA-Plus)	1/5 selectable	100075542
 UMB 122 K20 aP Universal module BUS-1 VdS class C (G 116005) EN 50131-3: grade 2	surface mount Housing type K20	2	2 floating relay outputs		1/2 selectable	100075536
 UMB 122 uP Universal module BUS-1 VdS class C (G 116005) EN 50131-3: grade 2	recess- mounted	2	2 floating relay outputs		1/2 selectable	100075537
 SMB 140 H4 Control Module BUS-1	Hat-rail mounting 4 HP		4 floating relay outputs		1/2/3/4 selectable	100075535

SMART MOTION DETECTORS – FOR THE BUS-1.

MOTION DETECTORS FOR THE BUS-1				
Designation	Characteristics Approvals / recognitions	BUS addresses	Article number	
	histar DUAL B360 BUS Infrared/microwave ceiling motion detector	DUAL-Ceiling Detector 360° VdS class C (G 115507) / EN 50131:grade 2	1	100033882
	histar DUAL C360 BUS Infrared/microwave ceiling motion detector	DUAL-Ceiling Detector 360° VdS class C (G 115047) / EN 50131:grade 3	1	100033892
	comstar VAYO B15 BUS Passive infrared detector	Volumetric detector 15 meter VdS class B (G 110529)	1	100033701
	comstar VAYO B25 BUS Passive infrared detector	Curtain detector 25 meter VdS class B (G 110531)	1	100033711
	comstar VAYO pro C15 BUS Passive infrared detector	Volumetric detector 15 meter VdS class C (G 114113) / EN 50131:grade 3	1	100033852
	comstar VAYO pro C25 BUS Passive infrared detector	Curtain detector 25 meter VdS class C (G 114115) / EN 50131:grade 3	1	100033858
	comstar VAYO DUAL B10 BUS Infrared/Microwave detector	Volumetric detector 10 meter VdS class B (G 110535) / EN 50131:grade 2	1	100033751
	comstar VAYO pro DUAL C10 BUS Infrared/Microwave detector	Volumetric detector 10 meter VdS class C (G 114119) / EN 50131:grade 3	1	100033872
	comstar B15 BUS Passive infrared detector	Volumetric detector 15 meter VdS class B (G 101514)	1	100033401
	comstar B25 BUS Passive infrared detector	Curtain detector 25 meter VdS class B (G 101515)	1	100033411
	comstar pro C15 BUS Passive infrared detector	Volumetric detector 15 meter VdS class C (G 114109) / EN 50131:grade 3	1	100033812
	comstar pro C25 BUS Passive infrared detector	Curtain detector 25 meter VdS class C (G 114111) / EN 50131:grade 3	1	100033818
	comstar DUAL B10 BUS Infrared/Microwave detector	Volumetric detector 10 meter VdS class B (G 105517)	1	100033451
	comstar pro DUAL C10 BUS Infrared/Microwave detector	Volumetric detector 10 meter VdS class C (G 114117) / EN 50131:grade 3	1	100033832
	DIS-B 20 BUS Passive infrared detector	Volumetric detector 20 meter VdS class B (G 195537)	1	100033156
	DIS-B 60 BUS Passive infrared detector	Linear detector 60 meter VdS class B (G 195538)	1	100033166
	DIS-C 20 BUS Passive infrared detector	Volumetric detector 20 meter VdS class B (G 195537)	1	100033151
	DIS-C 60 BUS Passive infrared detector	Linear detector 60 meter VdS class B (G 195538)	1	100033161




AUTOMATIC FIRE DETECTORS AND MANUAL CALL POINTS - FOR THE BUS-1.

FIRE DETECTORS FOR THE BUS-1							
Designation	Characteristics Approvals / recognitions	BUS addresses	Color	Article number			
 HD 3002 O BUS-1 Smoke detector (battery powered)	Optical smoke alarm according to EN 14604 with additional BUS-1 connection module	1	pure white	100078980			
 HD 3005 O BUS-1 Smoke detector (battery powered)		1	pure white white aluminium	100078981 100078982			
 HDv 3002 TS BUS-1 Thermal detector (battery powered)	Thermal detector with additional BUS-1 module	1	pure white	100078983			
 SDB 400 BUS-1 detector base (for automatic fire detectors in limit value technology)		1	pure white white aluminium	100078766 400078766			
 CT 3002 O Optical smoke detector	↑ ←	via base	pure white	100078762			
 CT 3002 T Thermal detector					via base	pure white	100078763
 CT 3002 OT Multi-sensor detector					via base	pure white	100078764
 CT 3005 O Optical smoke detector					VdS No. in FDS: G 209232	via base	pure white white aluminium




MANUAL CALL POINT FOR THE BUS-1				
Designation		BUS addresses	Color	Article number
 PBD-ABS-B BUS-1 manual call point (for Building alarm)		1	Blue	100078717
 PBD-ABS-G-AMOKALARM BUS-1 manual call point (for Amokalarm)		1	Yellow	100078718

SMART COMPONENTS – FOR THE BUS-1.

DAY ALARM SYSTEM WITH BUS-1 TECHNOLOGY

Designation	Assembly		BUS addresses	Article number
 Surface-mounted TG1 BUS-1 day alarm unit with strobe beacon	surface mount	Device for opening surveillance of exterior doors that can not be locked for safety reasons, because they serve as emergency exits.	5	100090137
 Surface-mounted TG1 BUS-1 day alarm unit	surface mount		5	100090138
 Recess-mounted TG1 BUS-1 day alarm unit	recess-mounted		5	100090139

INFRARED LIGHT CURTAIN FOR THE BUS-1

Designation	Characteristics Approvals / recognitions	BUS addresses	Article number
 IRL/2 connector unit BUS-1 in housing type K70	Reach-through VdS class C (G 102097) Diving-through VdS class C (G 102098)	1	100034734
 IRL/2 DG (Reach-through) Infrared light curtain	See product catalog for surveillance height of the infrared light curtains.		
 IRL/2 DS (Diving-through) Infrared light curtain			



TELENOT security technology.
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