

MADE BY **TELENOT**



EXPANDABLE STRUCTURE – COMPLEX 400H ALARM SYSTEM CONTROL PANEL

NEW

- Up to 16 door modules can be connected
- Up to 24 doors can be managed
- hilock 2200 digital lock cylinder can be integrated
- Comprehensive switching and smart home functionalities
- Day alarm functionality
- Beautifully designed housing with integrated touch control panel





CENTRALLY CONTROLLED – THE CENTERPIECE OF THE COMPLEX 400H ALARM SYSTEM CONTROL PANEL SERIES.

The **complex 400H** alarm system control panel series offers utmost security and flexibility for all your security requirements. The control panel combines the most modern installation technology with maximum dependability and functionality.

All installation types are available right from the beginning:

- conventional cabling
- modern BUS technology
- wireless installation

Thanks to the modular structure, the complex 400H can be configured in a bespoke manner to suit all current and future requirements. An enormous program of more than 1500 peripheral components such as access control readers, motion detectors, touch control panels in various design variants, and technical detectors form the basis to appropriate and elegantly designed solutions.

In practice, the complex 400H wins over users with its outstanding ease of installation, intuitive menu operation in parameterization, and the standardized compasX programming software. Remote service and remote parameterization complete the control panel's excellent handling characteristics.



Approval by VdS
Schadenverhütung



Association of security
companies in Austria



Swiss Association of
installers of security
systems

The **complex 400H** alarm system control panel is suitable for use in both commerce and industry, in addition to private security solutions. The so-called FÜB concept has been realized specifically for use in the banking sector – 'banking case surveillance'.

For use in chain stores, retail, and discount supermarkets, special solutions for access and delivery areas have been implemented to suit the client, as well as specific setting functions. Step-by-step extension and expansion is possible at all times.

For industrial use, numerous control panels can be interconnected via the building management interface, and integrated into superordinate building management systems.

The **complex 400H** alarm system control panel series can be integrated into practically all leading building management and smart home systems. Whether you use KNX, Crestron, or Advancis – the complex 400H can be integrated into a total of more than 80 different systems.

The modern BuildSec alarm system app is a further interesting application available for use in private and small commercial settings. Comprehensive switching functions for smart home applications round off the application's features.

The highest level of dependability and functionality is documented by approval in the highest security class in the industry. This means that you and your clients are able to enjoy reliable security – guaranteed.



PERFORMANCE CHARACTERISTICS – COMPLEX 400H ALARM SYSTEM CONTROL PANEL.

Device features complex 400H (Master)

- Bus-oriented hazard alarm system, based on the TELENOT 'com2BUS' system bus
- 2 separate Bus Connector each for 63 subscribers
- 16 conventional alarm points (can be extended to 32)
- Assembly slot for 1 FGW 210 wireless gateway in the S8/GR80 + S10/GR100 housing types for up to 100 wireless components
- 2 independent zones + 1 IACP zone (can be extended up to 8 with the com2BUS expander)
- 2 com2BUS connections for control panels, layout tableaux & other devices
- 2 interfaces for connecting comlock/crylock RFID reader for control equipment and access control

- NEW** ■ Can be extended to up to 16 comlock 410 door modules or alternatively hilock 203 transceivers:
 - comlock 410 door module for connecting
 - comlock/crylock reading units for control equipment and access control
 - hilock 203 transceiver for connecting
 - hilock 2200 digital lock cylinder
- NEW** ■ Operation with switch-on and alarm delay (entry/exit gateway function) is possible
- 16 switching functions for smart home applications
- 21 transistor outputs
- 3 relay outputs

- Serial and parallel interfaces for built-in supervised premises transceivers
- BuildSec alarm systems app with smart home functions with the help of an SPT
- Serial interface for connecting to the building management system, KNX, visualization software, or printer
- Integrated power supply (rechargeable battery 26 Ah)
- Additional power supplies can be connected
- MG/TA extension board and com2BUS expander can be connected
- can be extended by up to 3 comslaves
- Parameters can be parameterized / remote parameterized using the compasX software
- NEW** ■ Variable housing concept with new stylish housing (GR80/GR100)

APPROVED INTRUDER ALARM SYSTEMS



complex 400H

- Intruder Alarm System TELENOT 5000 H Approval No. S 185503 (class B)
- Intruder Alarm System TELENOT 5000 G Approval No. S 185050 (class C)

- Wireless Intruder Alarm System DSS2 A Approval no. S 109705 (class A)



complex 400H

Class VSÖ
W (Material Property Protection)
W 091012/08

EXPANDABLE STRUCTURE - COMPLEX 400H ALARM SYSTEM CONTROL PANEL.

FGW 210 wireless gateway extension board

Extends the complex 400H by:

- up to 100 wireless components (max. 165 dedicated alarm points). All components work bi-directionally. The wireless detectors are treated as if they are standard detectors or BUS detectors; this applies also on a cross-zone basis.

Extension board MG/TA for complex 400

Extends the complex 400H and comslave 400 by:

- 16 conventional alarm points
- 8 transistor outputs

com2BUS-Expander extension board

Extends the complex 400H by:

- 6 additional com2BUS interfaces for a total of 8 independent supervised premises

comslave 400 extension board

Extends the complex 400H by:

- 2 interfaces for connecting comlock/ cryplock reading units for control equipment and access control
- 16 conventional alarm points (can be extended to 32)
- 2 separate Bus Connector each for 63 subscribers
- 21 transistor outputs
- 3 relay outputs
- Integrated power supply (rechargeable battery 26 Ah)
- Additional power supply can be connected

Please note:

Combining the complex 400H with

- the comslave 400 extension boards,
- the MG/TA extension boards,
- the com2BUS expander,
- the comlock 410 door modules or hilock 203 digital lock cylinders,
- the FGW 210 wireless gateway,
- the wide range of housing types, and

and the variety of different control panels and display parts enables the complex 400H to be adjusted to the various requirements on a custom basis.

Retrospective **extension** can be realized simply with this system.

Assuming and restoring existing systems is also simple and can be realized securely.

The comslave 400 extension boards can be operated remotely via the com2BUS at a distance of up to 500 m and installed decentrally.

Configuration takes place centrally via the complex 400H Master.

Firmware flashable. From board version A6.1 onward, the firmware can be updated as necessary with a flash tool for newly added functions.

You can download the most recent flash tool and firmware free of charge from the TELENOT website at www.telenot.de (if you are registered with TELENOT).

Please note:


When a FGW 210 wireless gateway is connected, the number of connections is reduced to 2 comslave 400s.

Extended access control functions:

As the authorizations have been newly arranged on the comlock interfaces, the code disk space can be used more effectively. Projects more comprehensive in nature can be implemented thanks to the parameterization of reader-oriented behavior with various behavior patterns, and the fact that reader groups are formed. The number of authorizations to be managed can significantly increase depending on the application in question. Switching functions can now be saved in the event memory on a reader-specific basis.

The fact that reader groups are formed means that the technician is able to save a significant amount of time in programming and teaching in the keys. All complex 400H hazard alarm control panels that have already been delivered can be upgraded to this new feature using free-of-charge firmware.

EXPANDABLE STRUCTURE - COMPLEX 400H ALARM SYSTEM CONTROL PANEL.

Device features	Master complex 400H		1. comslave 400		2. comslave 400		3. comslave 400		Door module comlock 410	Transceiver hilock 203	Total amount (max. expansion)
	+ Extension MG/TA	+ com2BUS-Expander	+ Extension MG/TA	+ Extension MG/TA	+ Extension MG/TA	+ Extension MG/TA	+ Extension MG/TA	Total max. 16 items			
Supervised premises	8 + Z										8 + Z
Detector zones	128										128
Independent supervised premises according to VdS regarding	comlock interface	2		+ 2	+ 2		+ 2		+ 1 (16)		24
	Authorization code ¹	320									320
	Detector bus	2		+ 2	+ 2		+ 2				8
	Subscriber	126		+ 126	+ 126		+ 126				504
	com2BUS	2	+ 6								8
Conventional alarm points ²	16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 16	+ 5 (80)	+ 3 (48)	208
Outputs	Relay	3		+ 3	+ 3		+ 3		+ 1 (16)		28
	TO +12 V switching ³	15		+ 15	+ 15		+ 15		+ 5 (80)		140
	TO GND switching ³	6	+ 8	+ 6	+ 8	+ 6	+ 8	+ 6	+ 8		56
S1 serial interface to the SPT	1										1
S1 parallel interface to the SPT	1										1
res. TA GND switching ⁴			8		+ 8		+ 8				24
Serial interface (BMS / KNX / Printer)	1										1
Wireless Gateway interface	1										1
hilock 2200 digital lock cylinder										1 (16)	16
SimonsVoss Transceiver interface									1 (16)		16
Mobile Application (comvisMC BuildSec) when used with a SPT											
Control panels BT 8xx / 4xx / SBT4xx	16										16
LTE 400 receiver board	8										8
AZS-11/-20 display system											
Event memory	1365										1365
Long-term memory "Radio"	1365										1365

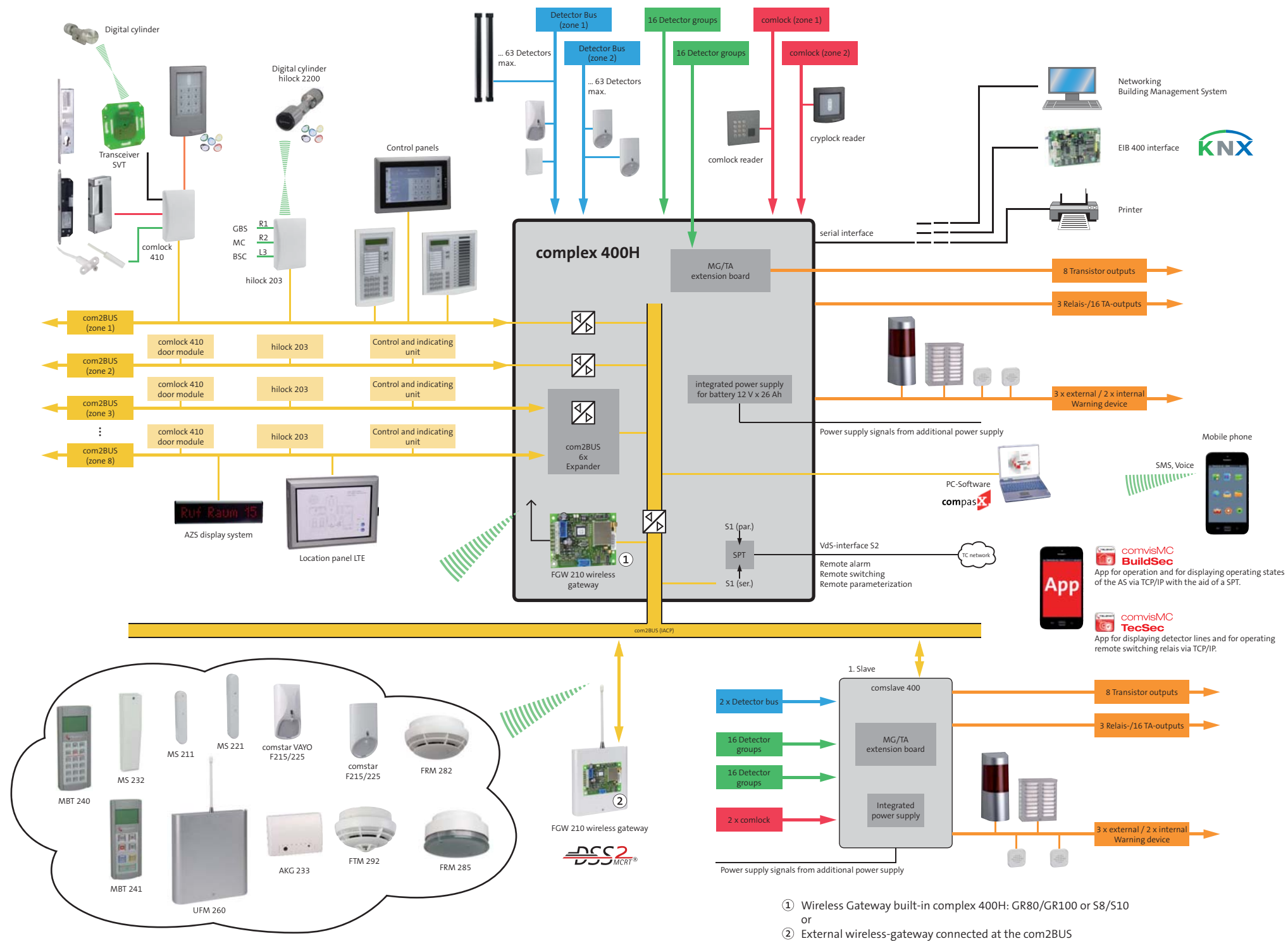
¹ The number of authorization code includes the code for the control panel and comlock/cryplock reading units.

² The number of conventional alarm points includes detector connections, inputs for blocking locks, bolts etc.

³ The number of outputs includes also the outputs for warning devices (OSG, ASG, ISG), coils, LED display, buzzer etc.

⁴ If the parallel S1 interface is not in use, it can be used to connect the 'REL8' extension board or to connect the 'adapter for a remote SPT'. The outputs' total increases by 8 relay or 8 transistor outputs, type 'switching TA GND'.

SOPHISTICATED SYSTEM ARCHITECTURE - COMPLEX 400H ALARM SYSTEM CONTROL PANEL.



BESPOKE CONFIGURATION – FOR EVERY APPLICATION.



Additional mounting slot

- for supervised premises transceiver
- for wireless gateway FGW 210



Housing type S8/GR80

	WxHxD 310x275x 126 mm	comlock 410 door module Total max. 16 items	Transceiver hilock 203	Total amount (max. expansion)
Supervised premises	8 + Z			8 + Z
Independent VdS-supervised premises	2			2
Conventional detector groups	16	+ 5 (80)	+ 3 (48)	96
comlock interfaces (RFID reader)	2	+ 1 (16)		18
Detector bus	126			126
Outputs	Relay	+ 1 (16)		19
	Switching TA +12 V	+ 5 (80)		95
	Switching TA GND			6
com2BUS interface to SPT	1			1
S1 parallel interface to the SPT	1			1
Interface for FGW 210	1			1
hilock 2200 digital lock cylinder			1 (16)	16
Serial interface (GMS, KNX, ...)	1			1
FGW 210 wireless gateway	1			1
BT 8xx / SBT 4xx control panels	16			16
Battery capacity	1 × 7.2 Ah			

Housing type S10/GR100

- 4 universal mounting slots,
e.g.
- MG/TA extension
 - Relay board
 - USR-M/LSR 16-M
 - com2BUS expander
 - comlock 1030
 - Interface KNX 400 IP

Alternative mounting slots

- for up to
6 LSA Plus terminal strips 10 DA
or 6 16-pin solder strips

Additional mounting slot

- for supervised premises transceiver
- for wireless gateway FGW 210

	WxHxD 330x390x 170/173 mm	+ Extension MG/TA + com2BUS- Expander	comlock 410 door module Total max. 16 items	Transceiver hilock 203	Total amount (max. expansion)
Supervised premises	8 + Z				8 + Z
Independent VdS-supervised premises	2	+ 6			8
Conventional detector groups	16	+ 16	+ 5 (80)	+ 3 (48)	112
comlock interfaces (RFID reader)	2		+ 1 (16)		18
Detector bus	126				126
Outputs	Relay		+ 1 (8)		19
	Switching TA +12 V		+ 5 (80)		95
	Switching TA GND	+ 8			14
com2BUS interface to SPT	1				1
S1 parallel interface to the SPT	1				1
Interface for FGW 210	1				1
hilock 2200 digital lock cylinder				1 (16)	16
Serial interface (GMS, KNX, ...)	1				1
BT 8xx / SBT 4xx control panels	16				16
Battery capacity	2 × 12 Ah				24 Ah

S10/2 housing type

5 universal mounting slots, e.g.

- MG/TA extension
- com2BUS expander
- Relay board
- USR-M
- LSR 16-M
- comlock 1030
- Interface KNX 400 IP

Alternative mounting slots

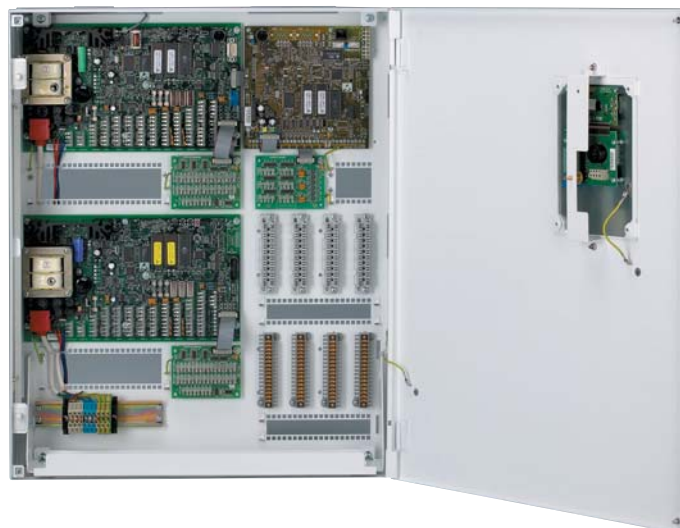
- for up to 8 LSA Plus terminal strips 10 DA or 6 16-pin solder strips

Additional mounting slot

- for supervised premises transceiver
- for comslave 400

Additional connection slot

- for external Radio Gateway FGW 210



	WxHxD 500x600x 170 mm	+ extension		comlock 410 door module	Transceiver hilock 203	Total amount (max. expansion)
		1 x comslave 400	2 x MG/TA 1 x com2BUS expander			
Supervised premises	8 + Z					8 + Z
Independent VdS-supervised premises	2		+ 6			8
Conventional detector groups	16	+ 16	+ 32	+ 5 (80)	+ 3 (48)	144
comlock interfaces (RFID reader)	2	+ 2		+ 1 (16)		20
Detector bus	126	+ 126				252
Outputs	Relay	3	+ 3	+ 1 (16)		22
	Switching TA +12 V	15	+ 15	+ 5 (80)		110
	Switching TA GND	6	+ 6	+ 16		28
com2BUS interface to SPT	1					1
S1 parallel interface to the SPT or switching TA GND	1	8				8
Interface for FGW 210	1					1
hilock 2200 digital lock cylinder					1 (16)	16
Serial interface (GMS, KNX, ...)	1					1
BT 8xx / SBT 4xx control panels	16					16
Battery capacity	4 x 12 Ah					48 Ah

BESPOKE CONFIGURATION – FOR EVERY APPLICATION.

Housing type S11

12 universal mounting slots, e.g.

- MG/TA extension
- com2BUS expander
- Relay board
- USR-M
- LSR 16-M
- comlock 1030
- Interface KNX 400 IP

Alternative mounting slots

- for up to
14 LSA Plus terminal strips 10 DA
or 14 16-pin solder strips

Additional mounting slot

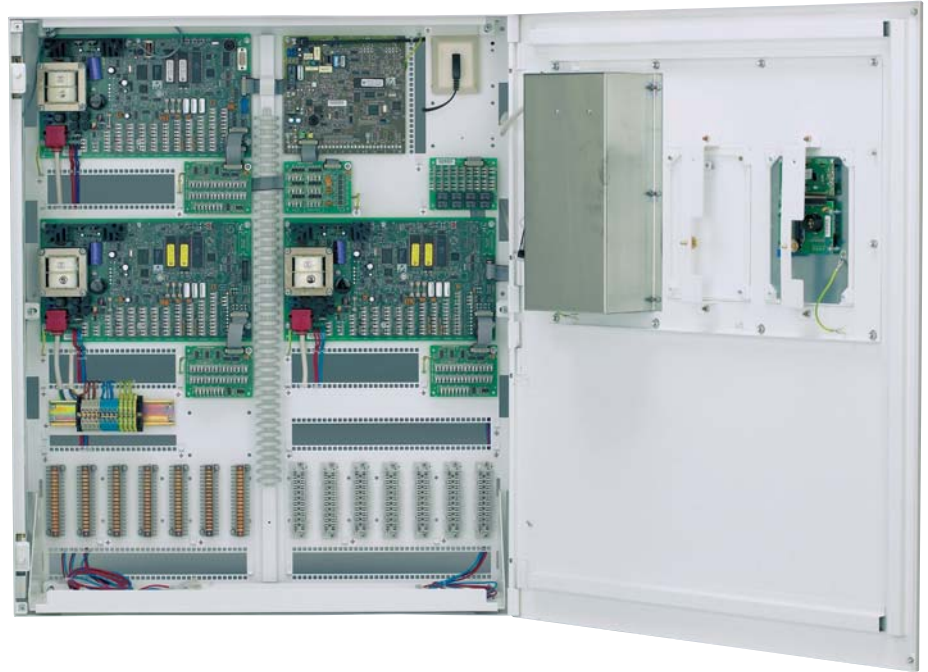
- for supervised premises transceiver
- for comslave 400

The optional built-in plate in the housing door provides a total of 3 mounting slots for assembling the following items:

- BT 401 control panel
- SBT 401 LED blocking panel
- AT 401 LED display panel
- Built-in printer

Additional connection slot

- for external Radio Gateway FGW 210



	WxHxD	+ extension		comlock 410 door module	Transceiver hilock 203	Total amount (max. expansion)
	660x780x 250 mm	2 x comslave 400	3 x MG/TA 1 x com2BUS expander			
Supervised premises	8 + Z					8 + Z
Independent VdS-supervised premises	2		+ 6			8
Conventional detector groups	16	+ 32	+ 48	+ 5 (80)	+ 3 (48)	176
comlock interfaces (RFID reader)	2	+ 4		+ 1 (16)		22
Detector bus	126	+ 256				378
Outputs	Relay	3	+ 6	+ 1 (16)		25
	Switching TA +12 V	15	+ 30	+ 5 (80)		125
	Switching TA GND	6	+ 12	+ 24		42
com2BUS interface to SPT	1					1
S1 parallel interface to the SPT or switching TA GND	1	+ 16				16
Interface for FGW 210	1					1
hilock 2200 digital lock cylinder					1 (16)	16
Serial interface (GMS, KNX, ...)	1					1
BT 8xx / SBT 4xx control panels	16					16
Battery capacity	6 x 12 Ah					72 Ah
	or 3 x 26 Ah					78 Ah

S12 housing type

13 universal mounting slots, e.g.

- MG/TA extension
- com2BUS expander
- Relay board
- USR-M
- LSR 16-M
- comlock 1030
- Interface KNX 400 IP

Alternative mounting slots

- for up to
35 LSA Plus terminal strips 10 DA
or 14 LSA Plus terminal strips 20 DA
or 35 16-pin solder strips

Additional mounting slot

- for supervised premises transceiver
- for comslave 400

The optional built-in plate in the housing door provides a total of 3 mounting slots for assembling the following items:

- BT 401 control panel
- SBT 401 LED blocking panel
- AT 401 LED display panel
- Built-in printer

Additional connection slot

- for external Radio Gateway FGW 210



	WxHxD 800x1200x 310 mm	+ extension		comlock 410 door module	Transceiver hilock 203	Total amount (max. expansion)
		3 x comslave 400	4 x MG/TA 1 x com2BUS expander			
Supervised premises	8 + Z					8 + Z
Independent VdS-supervised premises	2		+ 6			8
Conventional detector groups	16	+ 48	+ 64	+ 5 (80)	+ 3 (48)	208
comlock interfaces (RFID reader)	2	+ 6		+ 1 (16)		24
Detector bus	126	+ 378				504
Outputs	Relay	3	+ 9	+ 1 (16)		28
	Switching TA +12 V	15	+ 45	+ 5 (80)		140
	Switching TA GND	6	+ 18			56
com2BUS interface to SPT	1					1
S1 parallel interface to the SPT or switching TA GND	1	+ 24				24
Interface for FGW 210	1					1
hilock 2200 digital lock cylinder					1 (16)	16
Serial interface (GMS, KNX, ...)	1					1
BT 8xx / SBT 4xx control panels	16					16
Battery capacity	8 x 12 Ah or 4 x 26 Ah					96 Ah 104 Ah

UTMOST DEPENDABILITY, FUNCTIONALITY, AND PRACTICALITY – WITH THE WIRELESS TECHNOLOGY ON THE COMPLEX 400H ALARM CONTROL PANEL.

Enjoy wireless alarm technology that has earned the right to protect your clients.

This is evidenced in the wireless technology approvals. All relevant products are approved by 'VdS Schadenverhütung' (German Association for Damage Prevention), 'VSÖ Verband der Sicherheitsunternehmen Österreichs' (Association of Austrian Security Companies), and 'SES Verband Schweizerischer Errichter von

Sicherheitsanlagen' (Association of Swiss Security System Manufacturers) and bear a device approval number to show this.

A chain is only as strong as its weakest link. For this reason, the individual TELENOT system components are arranged in security systems optimally coordinated with one another. Depending on the security and hazard class, this is documented in the form of a system number. The device and system

approval number mean that you and your clients are able to enjoy reliable security – guaranteed.

VdS is a company of the German Insurance Association (GDV) and is tasked with the protection of life and property. VdS, VSÖ, and SES are all official bodies for inspecting and approving security products.

The TELENOT wireless technology is recognized compliant with:

- VdS System approval Wireless Intruder Alarm System DSS2 A Approval no. S 109705 (VdS class A)
- Hazard Warning System GWA 5000 Home Approval no. Y 112902 (VdS-Home)
- complex 400H Class VSÖ W (Material Property Protection) W 091012/08

Choosing operation modes

Depending on client or insurance-related specifications, the operator can choose between two operation modes:

- VdS class A
- VdS class Home
- Energy-saving
- client-specific

Highest operating convenience on all control panels

The system can be set and operated at the control panels at all times; this takes place immediately with a plain text display. Any state change is recognized immediately.

Professional energy management for a long battery lifetime

Battery lifetime is between 1.5 and 3 years depending on the operation mode. Quality and dependability is further increased by the fact that TELENOT ensures optimum contact with the components – thanks to a battery pack with pre-assembled socket.

12 working channels with a wide bandwidth ensure maximum wireless stability

The DSS2 new wireless technology works with mcr[®] multi channel-receiving technology. The ideally suited ISM band (Industrial Science Medicine) is used for wireless transmission at 433.05 – 434.90 MHz. In this frequency range, TELENOT works with a specifically defined, optimally designed channel arrangement with 12 working channels.

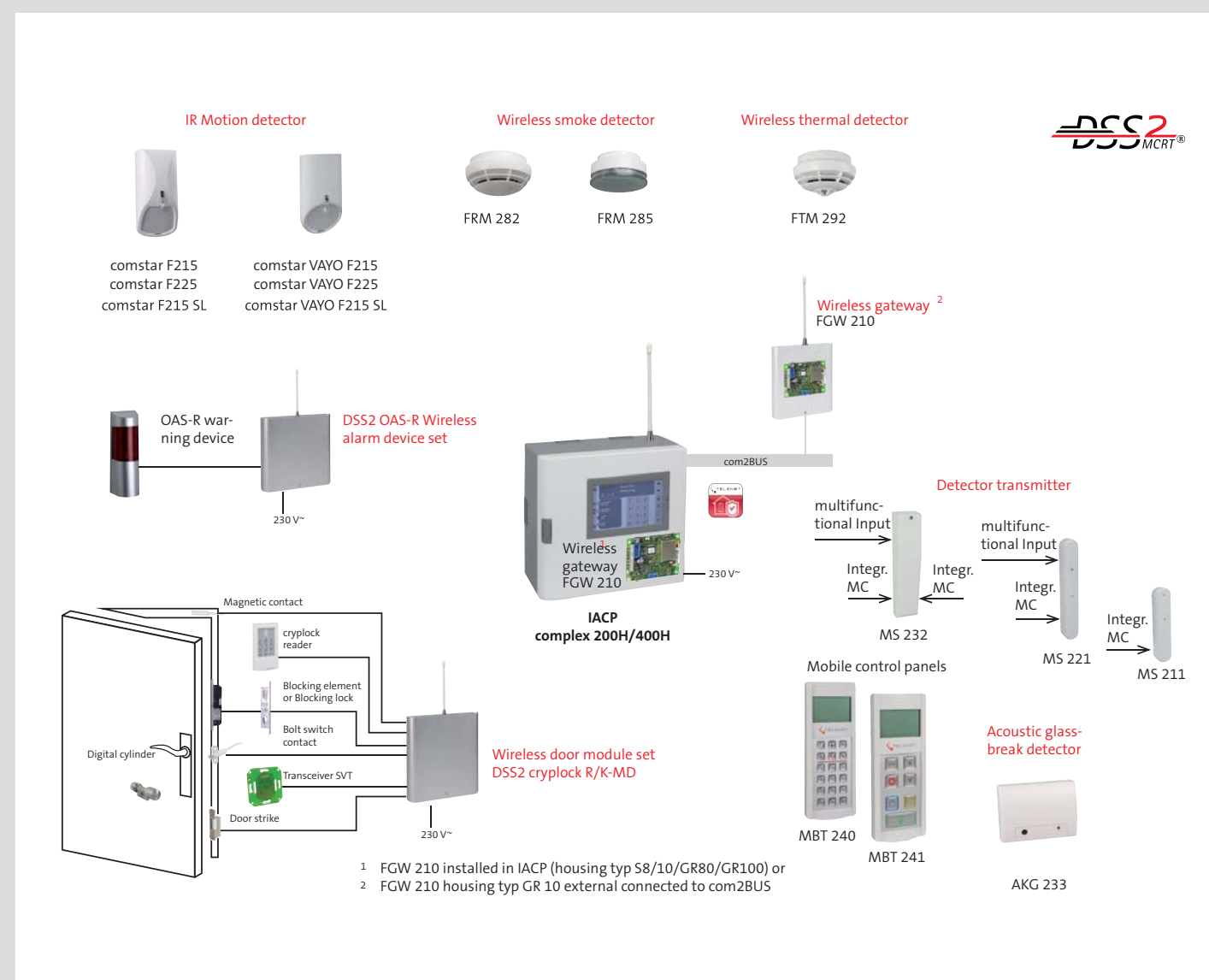
Highly practical – service tools for planning, installation, and maintenance

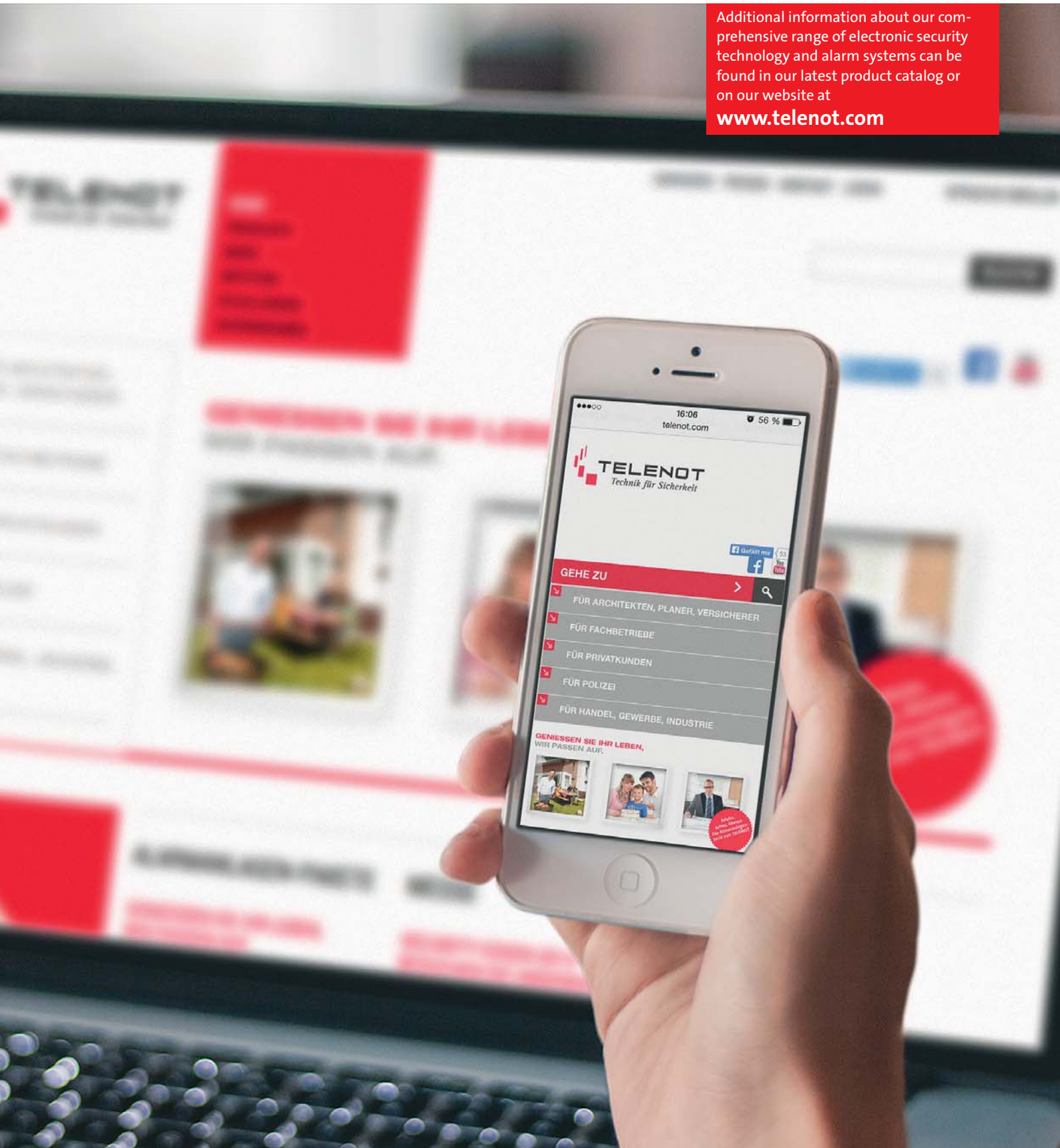
The DSS2 wireless technology enjoys excellent project planning tools and service tools that the expert company can use simply with the compasX parameterization software.

- In project planning mode, the technician can read the connection quality from each component via LED. This ensures that the location of each component can be calculated simply and chosen optimally by one person only. In practice, this saves time and money. A real one-person inspection is also guaranteed as part of maintenance.
- Transmission frequency of each component is displayed
- Battery capacity for each component is displayed
- Initial voltage remains defined when a new battery pack is installed
- Factory coding of each individual component; code stock of over 16 million (each component is unique)

The DSS2 works always on 3 of 12 working channels that are arranged in such a way that there is optimum distribution on the frequency band. Interference by external influences is thus avoided to as great an extent as possible. If all 3 current working channels are experiencing interference, the system automatically switches to the next available group of three channels.

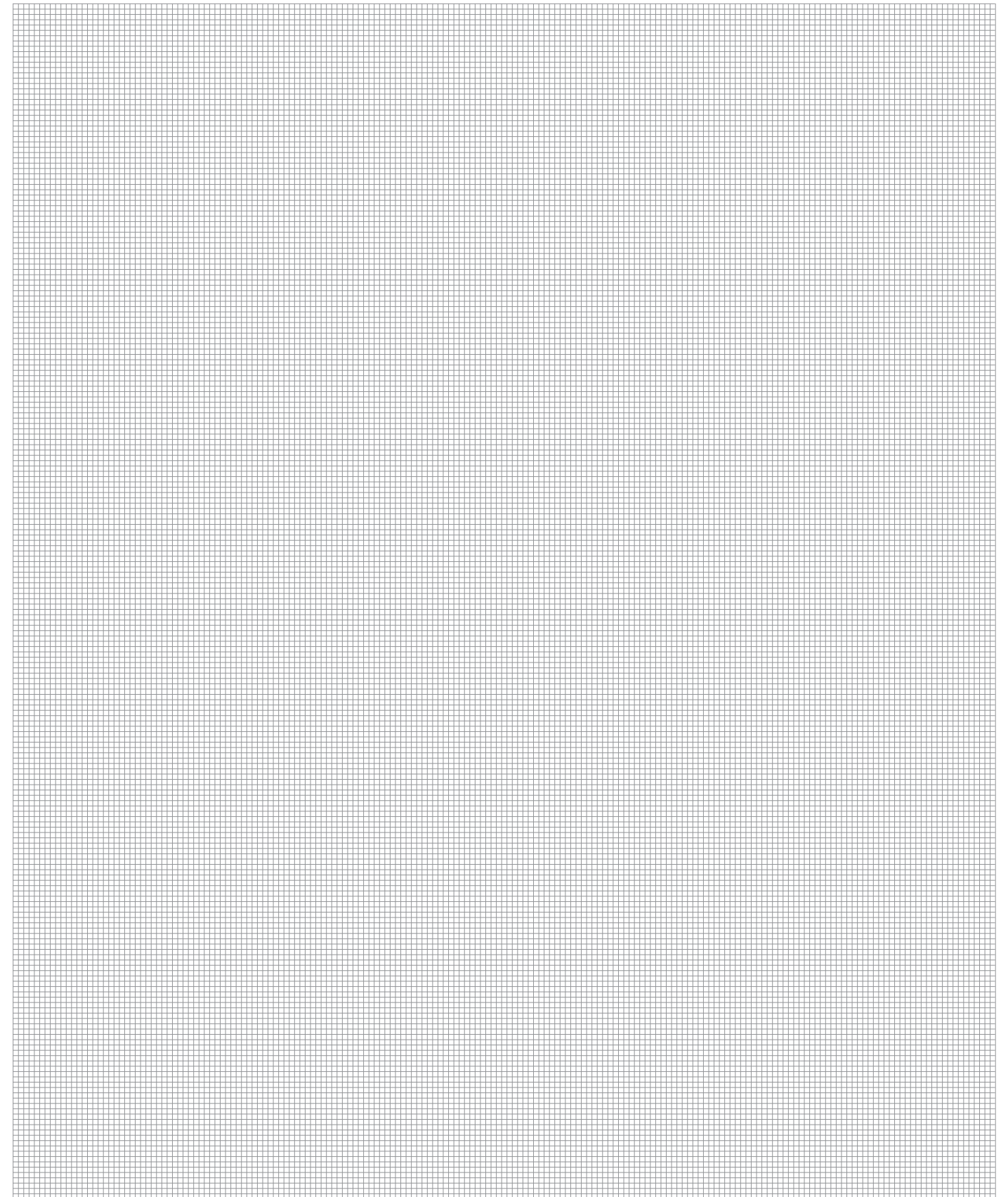
In total, 4x3 channels are available that are optimally physically arranged. This channel arrangement use means that maximum wireless stability is guaranteed. The RSSI field strength indicator permanently monitors the 12 working channels.





Additional information about our comprehensive range of electronic security technology and alarm systems can be found in our latest product catalog or on our website at www.telenot.com

NOTES - AND SKETCHES.





TELENOT security technology.
Protective. Attractive. Secure.

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Certified according to
DIN EN ISO 9001 / No. S 897069



Approval by
VdS Schaden-
verhütung



Swiss Association of
installers of security
systems



Association of security
companies in Austria