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Introduction Dear business partners,

you are looking at your personal issue of our 2009 product catalogue. We would be happy if you could take the time to assure yourself of our comprehensive product range. Your satisfaction has been our top priority ever since our company was founded. Because of this, all changes and innovations made meet our basic principle to only offer products of maximum quality at a good price-performance ratio to you.

The high level of customer satisfaction which we have maintained for years now is represented by renowned references from all over the world such as:



Albertina • Palais Liechtenstein • Floridotower - Vienna, Austria

The success of these extraordinary projects is tied closely to your success. We would therefore like to further extend our cooperation together with you under the motto "Safety is a matter of partnership". Use this possibility of talking to us and tell us your suggestions and wishes so we can build the future together in this more and more difficult market environment.

Please visit our brand-new website www.hls-austria.com and find all information for downloading.

We are looking forward to continued success in working together,

Your Honeywell Life Safety Austria Team

Abbreviations



= List of contents which the part number includes



= Information, important notice
such as special versions, dependencies etc.



= Packing unit

Notice regarding the packing unit:

1. The item will only be sold in packing unit.
2. The number of items, which have to be ordered, always refers to the number of packing unit rather than the number of single items.
3. The price stated in the catalogue is always the respective price for the packing unit. It is not the price for the single item.

Example item number 701040 (spare glass pane):

Packing unit: 10 items. An order of 3 items, for instance, would be equivalent to an order of 3 packing units. This would correspond to 30 items of spare glass pane, which have been ordered.

Ingress Protection rating

Degrees of protection against solid foreign objects indicated by the first characteristic numeral

First characteristic brief numeral description:

- 0 Non-protected
- 1 Protected against solid foreign objects of 50 mm diameter and greater
- 2 Protected against solid foreign objects of 12,5 mm diameter and greater
- 3 Protected against solid foreign objects of 2,5 mm diameter and greater
- 4 Protected against solid foreign objects of 1,0 mm diameter and greater
- 5 Dust-protected
- 6 Dust-tight

Degrees of protection against liquid foreign objects indicated by the second characteristic numeral

Second characteristic brief numeral description:

- 0 Non-protected
- 1 Protected against vertically falling water drops
- 2 Protected against vertically falling water drops when enclosure tilted up to 15°
- 3 Protected against spraying water
- 4 Protected against splashing water
- 5 Protected against water jets
- 6 Protected against powerful water jets
- 7 Protected against the effects of temporary immersion in water
- 8 Protected against the effects of continuous immersion in water

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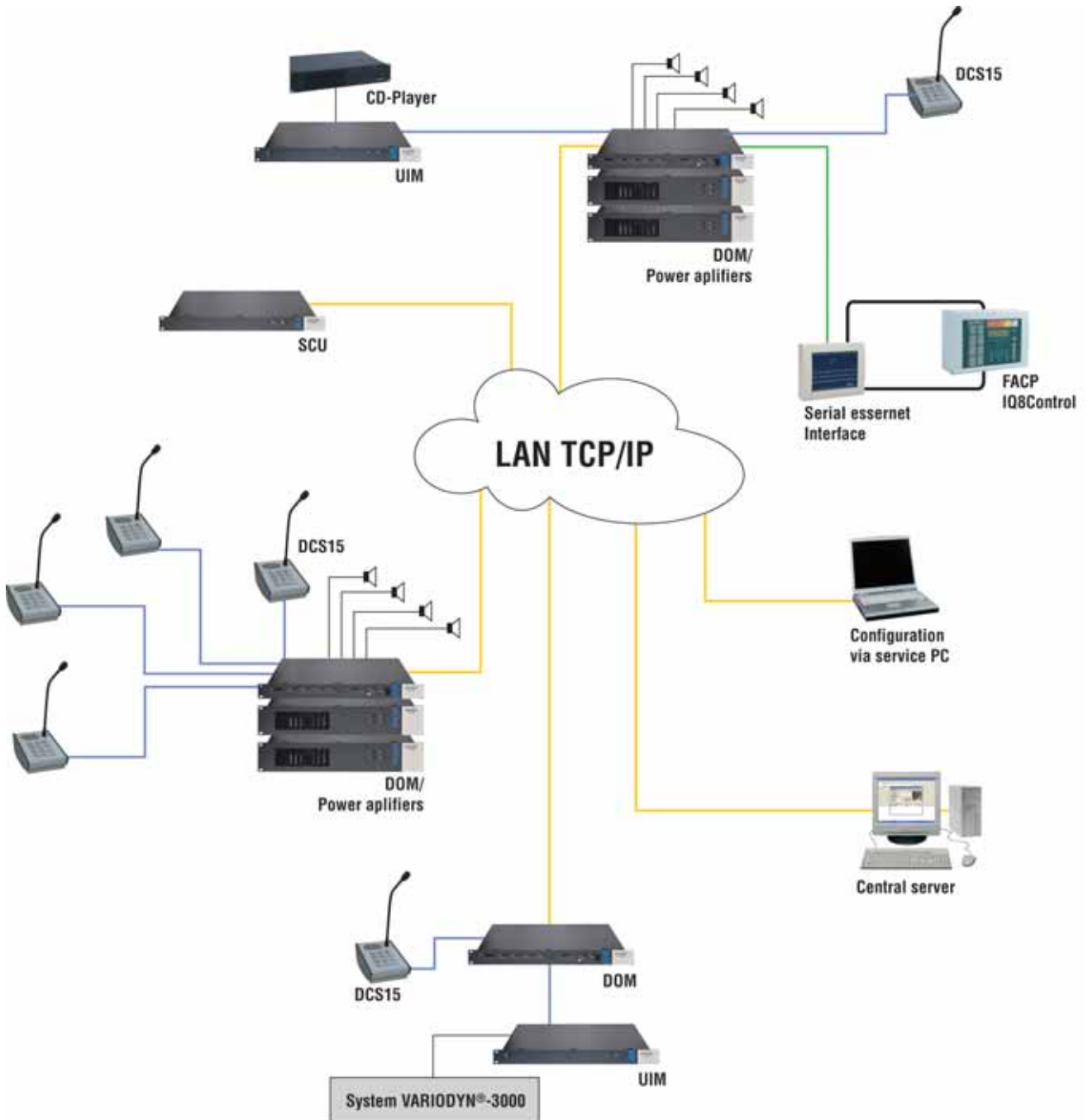
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VARIODYN® D1

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Overview VARIODYN® D1



DOM	Digital Output Module
UIM	Universal Interface Module
FACP	Fire Alarm Control Panel
DCS15	Digital Call Station
SCU	System Communication Unit

DAL (Digital Audio Link)	— Blue line —	Serial Connection	— Green line —
Ethernet	— Yellow line —	essernet	— Black line —
Direct Connection	— Grey line —		



Features

- Conforms to IEC 60849 / VDE 0828
- All the functions of an alarm and evacuation system in a 19" module (DOM)
- Cross-linkable via Ethernet
- Permanent monitoring of all function-relevant system components
- Automatic and dynamic switching to redundant backup amplifier
- Ongoing automatic volume control (AVC)
- Remote monitoring and configuration via telephone or network

The DOM is the central control element of the VARIODYN® D1. It has interfaces to all input/output modules, manages and monitors the loudspeaker circuits.

Any complex system configuration can be implemented through the networking of multiple DOMs via the Ethernet.

The DOM4-8 is equipped with four independent audio outputs in order to access four channels. Each audio output can operate two loudspeaker zones (a total of 8 circuits).

All power amplifiers are permanently monitored. In the case of an error, a backup amplifier dynamically replaces the defective power amplifier. The changeover occurs automatically from the DOM.

The speaker circuits are constantly monitored for short-circuiting, ground fault and failure as well as for impedance deviation. Defective loudspeaker zones are separated in a non-reactive manner.

One DOM contains up to 176 seconds of memory for audio recordings, which can be used for alarm texts and signals (evacuation alarm, all-clear signal) and caution signals (gongs). The volume of each source and each channel amplifier can be controlled. Additional filters such as parametric equalizers, high and low-pass filters as well as delays are also available. All errors are identified, announced and recorded within seconds.

Technical Data

Audio output	
Output type	electronically balanced
Nominal level	0 dB
Max. output level	+6 dB
Transmission range	20 Hz to 20 kHz
Max. deviation from the linear transmission	±3 dB im Übertragungsbereich
Harmonic distortion at the nominal level	< 0,01% bei 1 kHz
Max. harmonic distortion	0,5% in transmission range
Unweighted signal-to-noise ratio at the nominal level	> 90 dB (A) > 85 dB
Load impedance	min. 5 kΩ, max. 500pF
Sensor Input (AVC)	
Input type	symmetric ungrounded
Nominal level	-51 dBu
Nominal level for emergency telephone station	0 dBu
Transmission range	100 Hz to 8 kHz
Max. deviation from the linear transmission	±3 dB in transmission range
Harmonic distortion at the nominal level	< 0,2% at 1 kHz
Unweighted signal-to-noise ratio at the nominal level	> 65 dB (A) > 60 dB
Harmonic distortion at the nominal level	< 0,2% at 1 kHz
Load impedance	typ. 200 Ohm
Control Contacts	
Max. voltage	250 V AC, 30 V DC / 5 A
Surge voltage resistance	> 1,5 kV
Mains voltage	
Voltage range	90 V AC to 264 V AC
Frequency range	47 Hz bis 440 Hz
Power consumption @ 230 V AC	40 W / 70 W with/without 4x DAL
Ambient temperature	-5 °C to +55 °C
Relative humidity	15% to 90%
Weight	5,7 kg
Dimensions (H x W x D)	44 x 483 x 345 mm / 1 HU, 19"

Accessories:

- 583451.02 Cable for cabinet rear wall DOM4-8 VARIODYN® D1
- 583486 Patch cable Cat5, 1 m yellow (ETH) VARIODYN® D1
- 583487 Patch cable Cat5, 2 m yellow (ETH) VARIODYN® D1
- 583488 Patch cable Cat5, 3 m yellow (ETH) VARIODYN® D1
- 583703 Mounting kit 1



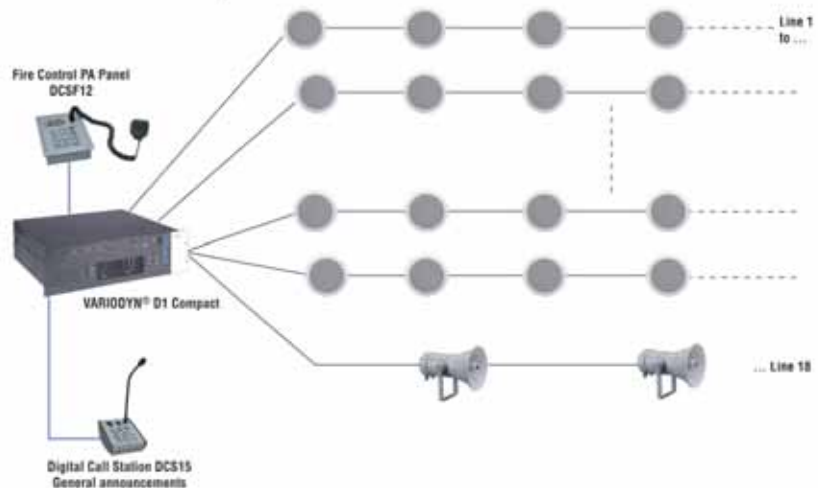
As 583361.03.ES, the DOM4-24 module can however operate six connected loudspeaker zones (a total of 24 circuits).

Technical Data	
Power consumption @ 230 V AC	50 W / 80 W with/without 4x DAL
Weight	6,8 kg
Dimensions (H x W x D)	44 x 483 x 345 mm /1 HU, 19"

Accessories:

- 583452.02 Cable for cabinet rear wall DOM4-24 VARIODYN® D1
- 583486 Patch cable Cat5, 1 m yellow (ETH) VARIODYN® D1
- 583487 Patch cable Cat5, 2 m yellow (ETH) VARIODYN® D1
- 583488 Patch cable Cat5, 3 m yellow (ETH) VARIODYN® D1

Classic Evacuation System



18 monitored freely programmable lines, 9 a/b-zones respectively.

583931.01.ES



VARIODYN® D1 Compact



Features

- Five integrated power supplies
- Three independent 300 W / 100 V power amplifiers and a backup amplifier integrated
- Up to 18 call circuits possible
- Constant line monitoring
- Speech memory with up to 176 seconds of storage time
- Internal signal generator in accordance with DIN EN 33403
- 8 freely programmable inputs and/or outputs (4 monitored)
- Conforms to IEC 60849 / VDE 0828"

The new VARIODYN® D1 COMPACT call and alarm system unites the proven functions of the digital VARIODYN® D1 technology in just three height units. The new system is designed for installations with up to 18 call circuits such as schools, office buildings and factory buildings.

The VARIODYN® D1 Compact offers a broad performance spectrum in entertainment, information, security and duplex operation. It is easy to configure and its operation is user-friendly.

The VARIODYN® D1 Compact is available in just three height units via five power supplies, three independent power amplifiers, and one backup amplifier and offers constant line monitoring for ground fault, short circuit, interruption and impedance. All system components, the power amplifiers and an acoustic verification of the microphone enclosures are also included. In addition, the VARIODYN® D1 Compact has an internal signal generator in accordance with DIN EN 33403, and an integrated speech memory with up to 176 seconds of storage time.

Technical Data

Call circuits	18
Number of programs	3
Number of relay outputs	8
Audio input	1 x MIC / 1 x MIC/Line
Communication Station connections	4 DAL-bus inputs for connection of Digital Call Stations DCS2, DCS15, DCSF12, DCSF1 as well as UIM
Speech memory	176 seconds, divisible into 16 different texts
Backup changeover	automatic
Signal generator	Internal in accordance with DIN EN 33404
Ethernet Ports	4 (programming)
Power output	3 x 300 W / 100 V (Burst 3:1)
Backup / Reserve amplifier	1 x 300 W / 100 V (Burst 3:1)
Mains voltage	230 V AC
Dimensions (H x W x D)	132 x 483 x 450 mm / 3HU, 19"



Please note that VARIODYN® Compact is designed for stand-alone operation only.

Accessories:

- 583301.ES Digital Communication Station DCS15
- 583302.ES Digital Communication Station DCS2
- 583306.ES Digital Keyboard Module DKM18
- 583303.02.ES Digital Fire Detection Communication Station DCSF12
- 583304.02.ES Digital Fire Detection Communication Station DCSF1
- 583331.02.ES Universal Interface Module UIM



Features

- Integrated electronic protection against thermal overload and short-circuits during output.
- Temperature controlled ventilation
- Complies with IEC BS EN 60268-3, 55013, 55020 norms
- Control and monitoring via DOM

Application

The power amplifiers possess two independent amplifier channels and 100 V toroidal core output transformers and are compatible with the VARIODYN® D1 System. The power amplifiers are controlled and monitored by the VARIODYN® D1 modules DOM4-8 and DOM4-24 (digital output module).

Connections

- One combined AF/control input
- One dual-channel 100 V output
- One mains supply

Indicators (per channel)

- One green POWER LED
- One yellow error LED
- One green SIGNAL LED
- One red CLIP LED

AF/Control Input The two AF inputs and the control input are connected to the VARIODYN® D1 DOM module via a cable (part number 583471.03). **100 V Outputs** The symmetrical ungrounded 100 V outputs are available at the connector labeled "OUTPUT 100V". Both 100 V outputs are connected to the VARIODYN® D1 Module DOM by cable (part no. 583476.02).

In the event that the heat sink reaches a critical temperature, the relay load for this channel will be disconnected and then reconnected upon reaching a safe temperature.

Mains Supply

A (European) low power socket for mains supply connection, as well as a mains fuse are located on the back surface of the amplifier. A mains cable is supplied. The power amplifier can only be operated via a three-wire system feed with a protective ground wire.

Technical Data

Mains voltage	230 V AC
Mains frequency	50 to 60 Hz, +10 %/-5 %
Power consumption standby	0 VA (separated from mains supply)
Current consumption	5,2 A
Power output (sin.)	2 x 200 W
Functional operating principle	Class AB
Übertragungsbereich	50 Hz to 22 kHz
Signal-to-noise ratio, unweighted	> 105 dB
Harmonic distortion at full load	< 0,08 %
Channel separation	> 75 dB
Input level	+6 dBu, at max. output voltage (100 V)
Load impedance	> 20 kΩ, homopolar
Ambient temperature	-5 °C to +55 °C
Relative humidity	40 % to 90 %, no condensation
Colour	grey, similar to RAL 7016
Weight	17 kg
Dimensions (H x W x D)	88 x 483 x 400 mm/2 HU, 19"

Accessories:

- 583471.03 Input cable DOM - XV Amplifier VARIODYN® D1
- 583476.02 Output cable DOM - XV Amplifier VARIODYN® D1
- 583422 Backup cable RC 22 VARIODYN® D1
- 583703 Mounting kit 1

580213.03.ES



VARIODYN® D1 Power Amplifier 2 X 300W

Same as 580212.03.ES, but 2 x 300 W instead.



Technical Data

Current consumption	6,1 A
Power output (sin.)	2 x 300 W
Weight	19 kg

580214.03.ES



VARIODYN® D1 Power Amplifier 2 X 500W

Same as 580212.03.ES, but 2 x 500 W instead.



Technical Data

Current consumption	9,9 A
Power output (sin.)	2 x 500 W
Weight	21 kg

- 1
- 2
- 3
- 4
- 5

VARIODYN® D1 Digital Call Stations

583301.ES



VARIODYN® D1 Digital Call Station DCS 15



Features

- Conforms to IEC 60849/VDE 0828
- Cost-effective CAT5 cabling
- Electret swan-neck microphone with cardioid diagram
- Permanent monitoring of the microphone and the transmission line to the subsequent interface module
- Broadband loudspeaker for microphone monitoring, playback of messages, and for intercom operation
- 24 Bit AD/DA converter
- Additional audio input/output (DCS15); for example, for audio devices such as CD players
- Duplex function with other communication stations via integrated loudspeaker possible
- 12 freely configurable keys

The DCS15 Digital Call Stations are meant for the selection of loudspeaker circuits, the transmission of voice announcements as well as of various gongs and alarms. It is equipped with 12 freely configurable keys, 13 LEDs and one swan-neck microphone.

The communication station is connected to an available DAL databus (Digital Audio Link) on the DOMs (Digital Output Modules) via a standard CAT5 cable. All control signals as well all audio signals are transmitted digitally.

Up to 4 digital call stations can be connected to one DOM. Of course, each digital communication station in the system can generate and also receive different voice transmissions and control signals simultaneously. A digital communication station can be located up to 300 m away (which can be extended to 2,000 m with BWG cabling) and can be expanded with up to 6 Digital Keyboard Modules DKM18, whereby the total number of available keys and LEDs increases to 120 per communication station. The microphone function in the digital communication station is permanently monitored acoustically. Furthermore, the DCS15 provides an additional external audio input and output, which can be used to connect audio devices such as CD players or tape recording units. A 3 m long CAT5 cable to connect the digital communication station to a wall jack is included.

Technical Data

Mikrophon	electret, cardioid diagram
Swan-neck	300 mm
Frequency range	200-12.500 Hz
Loudspeaker	
Power	1 W
Audio input	
Nominal level	0 dBu
Max. level	+6 dBu
Transmission range	20 Hz to 22 kHz
Signal-to-noise ratio	> 95 dB
Harmonic distortion at the nominal level	< 0,1 %
Audio output	
Nominal level	0 dBu
Transmission range	40 Hz to 22 kHz
Signal-to-noise ratio	> 85 dB
Klirrfaktor bei Nennpegel	< 0,1 %
Output impedance	180 Ohm
Sample rate	48 kHz
AD/DA converter	24 Bit
Maximum current carrying	150 mA
Ambient temperature	-5 °C to +55 °C
Relative humidity	15 % to 90 %
Colour	side parts black, similar to RAL 9005 body grey, similar to RAL 7037
Weight	approx. 1,6 kg
Dimensions (W x H x D)	123 x 71 x 180 mm



The digital communication station can be mounted flush with the surface of a table. One table mounting kit per unit is necessary for this.

One transparent keyboard cover can be obtained which will protect 3 horizontally arranged keys from being unintentionally pressed: protected keys can only be pressed when the cover is raised.

Accessories:

- 583306.ES Digital Keyboard Module DKM18
- 583311 Keyboard Cover for DCS Communication Station VARIODYN® D1
- 583312 Table Mounting Kit for Communication Station DCS VARIODYN® D1
- 583316 FO conversion for OIM Control Unit VARIODYN® D1
- 583317 FO conversion for Digital Communication Station DCS VARIODYN® D1
- 583315.02 Power supply for FO Converter DCS O VARIODYN® D1
- 583307 Wall junction box for Communication Unit DCS VARIODYN® D1

583302.ES



VARIODYN® D1 Digital Call Station DCS2

Same as 583301.ES, but with one freely configurable key, two LEDs, one microphone and one loudspeaker.

VARIODYN® D1 Fire Control PA Panel

583303.02.ES



VARIODYN® D1 Fire Control PA Panel DCSF 12



Features

- Conforms to IEC 60849 / VDE 0828
- Cost-effective CAT5 cabling
- Hand-held microphone with integrated loud-speaker and acoustic microphone monitoring
- Constant monitoring of the transmission line to the subsequent interface module
- 24 Bit AD/DA converter
- 12 free configurable buttons

The Fire Control PA Panel DCSF 12 allows for the selection of loudspeaker circuits, transmission of voice announcements as well as of various gongs and alarms. The communication terminal is connected to an available DAL databus (Digital Audio Link) on the DOM (Digital Output Module) via a standard CAT5 cable. All control signals as well all audio signals are transmitted digitally.


The call station is equipped with 12 freely configurable keys, 13 LEDs and a hand-held microphone with integrated loudspeaker.

Up to four digital call stations can be connected to one DOM. Here, each communication station can simultaneously create and receive different voice through-connections and control signals. A digital communication station can be located up to 300 m away (which can be extended to 2,000 m with BWG cabling) and can be expanded with up to 6 Digital Keyboard Modules DKM18, whereby the total number of available keys and LEDs increases to 120 per communication station.

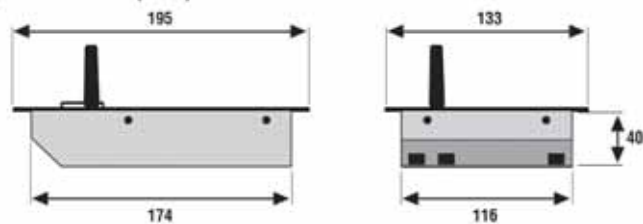
The inaudible monitoring frequencies sent by the loudspeaker are continuously picked up by the microphone. Any interruption will lead to an error message. A 3 m long Cat5 cable for the connection of the digital call unit to a wall jack is included with delivery.

Technical Data

Sample rate	48 kHz
AD/DA converter	24 Bit
Mikrofon	electret, cardioid diagram
Frequency range	200-12.500 Hz
Loudspeaker	
Power	1 W
Output impedance	180 Ohm
Maximum current carrying	150 mA
Ambient temperature	-5 °C to +55 °C
Relative humidity	15 % to 90 %
Colour	side parts black, similar to RAL 9005 body grey, similar to RAL 7037
Weight	approx. 1.6 kg
Dimensions (L x W x D)	195 x 133 x 40 mm

 A transparent keyboard cover can be obtained which protects against unintentional pressing. Protected keys can only be pressed when the cover is raised. Each of three horizontally arranged keys on a digital communication station or a digital keyboard module can be protected by such a keyboard cover.

Housing Dimensions (mm)



Accessories:

- 583306.ES Digital Keyboard Module DKM18
- 583311 Keyboard cover for Communication Station DCS VARIODYN® D1
- 583312 Mounting kit for Communication Station DCS in Table VARIODYN® D1
- 583316 FO conversion for OIM Control Unit VARIODYN® D1
- 583317 FO conversion for Digital Communication Stations DCS VARIODYN® D1
- 583315.02 Power supply for FO Converter DCS O VARIODYN® D1
- 583307 Wall junction box for Communication Unit DCS VARIODYN® D1

583304.02.ES



VARIODYN® D1 Fire Control PA Panel DCSF1

Same as 583303.02.ES, but with one freely configurable key, two LEDs, one hand-held microphone with integrated loudspeaker.



Features

- Three 18 A excess current switches with control contacts and control indicator lights
- Low power connection and Ethernet connection to connect a PC for servicing purposes
- Three connections for auxiliary changeover contact per excess current switch
- Up to four devices can be connected to each excess current switch

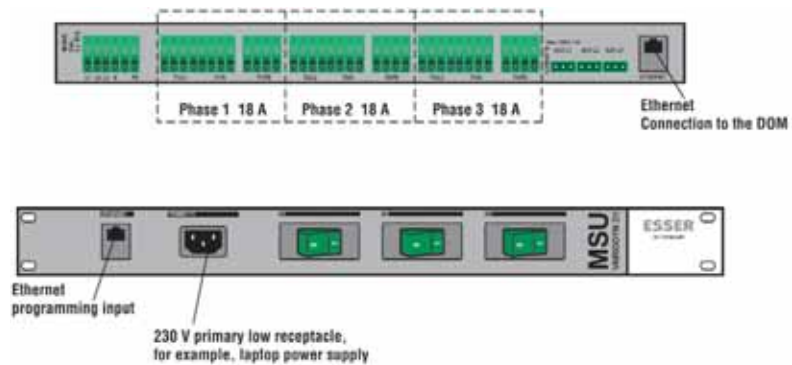
The Mains Switching Unit MSU serves to protect the power supply of all VARIODYN® D1 components which are built into a switchboard. It also provides a plug to connect a PC for local and network-wide servicing purposes.

Each of the up to three phases can be loaded with max. 18 A. The excess current switch automatically releases the excess current, but can also be used to manually switch the voltage supply.

The operating conditions are indicated by green operating lights. The switch setting can be evaluated via auxiliary contacts. A frontal 230 V low power socket and an RJ45 socket are available for service PC connection.

Technical Data

Thermal Protection	
Rated current	60 V max. 1 A
Operating life	10,000 switch cycles
Shutdown	1-pin
Auxiliary Contacts	
Type	Changeover contact
Contact rating AC	250 V max. 4 A
Contact rating DC	0-24 V max. 4 A
Rated current	60 V max. 1 A 110 V max. 0,5 A 220 V max. 0,25 A
Ambient temperature	-5 °C to +55 °C
Relative humidity	15 % to 90 %
Weight	approx. 4.2 kg
Dimensions (W x H x D)	483 x 44 x 345 mm/1 HU, 19"



Rear and front view MSU

Accessories:

- 583703 Mounting kit 1



Features

- Digital audio memory for VARIODYN® D1 alarm and evacuation system
- Cross-linkable via Ethernet (CAT5 or fiber optics)
- Regulation conforming audio memory for alarm and evacuation
- Can be used to log and record announcements
- Automatic temporary storage and playback of interrupted messages

The System Communication Unit SCU serves as digital audio memory for the VARIODYN® D1 public address system. It is possible to record and play back multiple audio data streams simultaneously.

Connection to other VARIODYN® D1 Modules via Ethernet and is constantly monitored.

Audio memory (the availability of which is critical) for alarms and evacuation announcements occurs according to IEC EN 60849 on non-volatile flash-memory. Memory capacity is approx. two hours.

Other audio files such as announcements, signals or advertisements are saved onto a hard drive. The memory capacity is approx. 150 hours.

The SCU can also be used to log and record announcements. These are also saved on the hard drive and are backed up with date, time and activation details. The automatic temporary storage allows announcements to be played which are unable to reach all targets by releasing them.

Technical Data

Rated voltage	90 V AC to 265 V AC
Nominal frequency	47 Hz to 63 Hz
Rated current	typ. 0.5 A (@ 230 V AC)
Flash memory	1024 MB (approx. 120 minutes)
Hard drive capacity	40 GB (approx. 150 hours)
Ambient temperature	-5 °C to +55 °C
Relative humidity	15 % to 90 %
Colour	grey, similar to RAL 7016
Weight	3 kg
Dimensions (H x W x D)	44 x 483 x 360 mm (1 HE, 19")

Accessories:

- 583703 Mounting kit 1
- 583486 Patch cable Cat5, 1 m yellow (ETH) VARIODYN® D1
- 583487 Patch cable Cat5, 2 m yellow (ETH) VARIODYN® D1
- 583488 Patch cable Cat5, 3 m yellow (ETH) VARIODYN® D1



Features

- Conforms to IEC 60849/VDE 0828
- Two analog floating audio inputs/outputs
- 48 contacts as inputs and/or outputs, freely programmable
- Digital Audio Link (DAL) to DOM
- Implementation as 19" mountable unit
- Connection to diverse disciplines possible via UIM

The Universal Interface Module UIM serves as an interface module of the VARIODYN® D1 public address systems, connecting two analog audio inputs, two analog audio outputs as well as 48 control contacts. Monitoring of short circuiting and breakdown can be activated when eight control contacts are in use.

The UIM can be connected to the VARIODYN® D1 Module DOM via the DAL databus.

The UIM digitalizes two analog audio inputs, from for example a CD player, security system, etc., and transfers the digitalized audio data to the VARIODYN® D1 Module DOM via the DAL databus. Two outputs are available as analog audio sources in order for example to be able to forward all played messages to an external device. The 48 contacts can be configured as either contact inputs or outputs. In this way, the public address system can be controlled externally, and information regarding the status of the public address system can be made available.

Technical Data

Audio input

Nominal level	0 dBu
Max. level	+6 dB
Transmission range	40 Hz to 22 kHz
Signal-to-noise ratio	> 95 dB
Harmonic distortion at the nominal level	< 0,05 %
Load impedance	XLR-socket 100 kΩ, symmetric floating output
Input impedance	Cinch-socket 1 kΩ, asymmetric floating output

Audio output

Nominal level	0 dBu
Transmission range	40 Hz to 22 kHz
Signal-to-noise ratio	> 85 dB
Harmonic distortion at the nominal level	< 0,05 %
Output impedance	XLR-socket 200 Ω, symmetric floating output Cinch-socket 200 Ω, asymmetric floating output

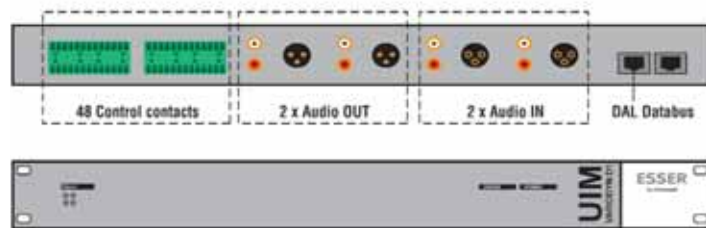
Control Contacts

Input Contact

Input voltage	max. +36 V
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Output Contacts












Contact rating	36 V DC / 50 mA
Short-circuit-proof against +24V	1 s
Ambient temperature	-5 °C to +55 °C
Relative humidity	15 % to 90 %
Weight	approx. 3.6 kg
Dimensions (W x H x D)	483 x 44 x 345 mm/1 HU, 19"



Rear and front view UIM

Accessories:

- 583703 Mounting kit 1
- 583481 Patch cable Cat5, 1 m blue (DAL) VARIODYN® D1
- 583482 Patch cable Cat5, 2 m blue (DAL) VARIODYN® D1
- 583483 Patch cable Cat5, 3 m blue (DAL) VARIODYN® D1

583486		Patch cable Cat5, 1 m yellow (ETH) VARIODYN® D1
583487		Patch cable Cat5, 2 m yellow (ETH) VARIODYN® D1
583488		Patch cable Cat5, 3 m yellow (ETH) VARIODYN® D1
583481		Patch cable Cat5, 1 m blue (DAL) VARIODYN® D1
583482		Patch cable Cat5, 2 m blue (DAL) VARIODYN® D1
583483		Patch cable Cat5, 3 m blue (DAL) VARIODYN® D1
583401		Signal cable 12 for UIM VARIODYN® D1
		Prefabricated cabling of 12 UIM control contacts for cabinet rear wall. Up to 4 pieces necessary per UIM.
583451.02		Cable for cabinet rear wall DOM 4-8 VARIODYN® D1
		Prefabricated cabling of DOM4-8 100V outputs for cabinet rear wall. 1 piece necessary per DOM4-8.
583452.02		Cable for cabinet rear wall DOM4-24 VARIODYN® D1
		Prefabricated cabling of DOM4-24 100V outputs for cabinet rear wall; Up to 4 pieces necessary per DOM4-24
583471.03		Input cable DOM - XV Amplifier VARIODYN® D1
		Prefabricated cabling of DOM to power output amplifier, 2 channels (LF, control)
583476.02		Output cable DOM - XV Amplifier VARIODYN® D1
		Prefabricated cabling of DOM to power output amplifier, 2 channels (max. 100V)
583422		Backup cable RC 22 VARIODYN® D1
		Prefabricated cabling of 2 auxiliary channels to 4 bearer channels

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583306.ES



Digital Keyboard Module DKM18



Connectable Digital Keyboard Module DKM18 with 18 freely configurable keys and 18 LEDs.

583311



Keyboard cover for DCS Call Station VARIODYN® D1

583312



Table mounting kit for Call Station DCS VARIODYN® D1

583316



FO conversion for OIM Control Unit VARIODYN® D1



Is connected to

- VARIODYN® D1: DOM4, DOM4-8, DOM4-24
 - VARIODYN® 3000: interface module DIM 4
- per each DCS and/or UIM Communication Station (only for VARIODYN® D1) via CAT5 cable (max. length 10m) in the control panel.

This makes a range of up to 2,000m possible. A range of up to 300m is possible with CAT5. The FO converter communication unit OIM is contained in its own housing.

Technical Data

Dimensions (L x W x H) 115 x 55 x 25 mm

Accessories:

583315.02 Power supply for FO Converter DCS O VARIODYN® D1

583317



FO conversion for Digital Communication Stations DCS VARIODYN® D1



Connected to the Digital Communication Station DCS and/or UIM (only VARIODYN® D1) via CAT5 cable (max. cable length 10m).

An additional 24V power supply is necessary e.g. via plug-in power supply unit. This makes a range of up to 2,000m possible. A range of up to 300m is possible with CAT5.

The FO Converter Communication Unit OIM is built into a housing.

Technical Data

Power supply 24V DC / 500mA
Dimensions (L x W x H) 115 x 55 x 25 mm

Accessories:

583315.02 Power supply for FO Converter DCS O VARIODYN® D1

583315.02



Power supply for FO Converter DCS O VARIODYN® D1

583307



Wall junction box for Communication Station DCS VARIODYN® D1

583701



Ventilation panel 1HU for VARIODYN® D1

583702



Filler panel 2 HU for VARIODYN® D1

583703



Mounting kit 1 VARIODYN® D1



Each contains 24 captive nuts, screws and washers.

583387



Time Control Module GPS VARIODYN® D1



This module is meant for the time synchronization of a VARIODYN® D1 alarm/evacuation system via GPS (Global Positioning System). The exact time is then transmitted to all other networked DOMs via one DOM which is time-synchronized with the TCM-GPS (Time Control Module GPS). This facilitates precisely timed, automated announcements (e.g. the recess bell in schools) timed volume adjustment (e.g. night-mode in railway stations) or simply just precisely-timed documentation of announcements or trouble alarms.

Connection

The module is either connected directly to the I2C interface via a standard CAT5 cable (max. 10m) or connected to the 9pin Sub-D jack of a DOM with the included adapter cable.

Monitoring

Both disconnection of the module as well as of the satellite reception is recorded.

581209



Audio device tuner / CD / MP3 combination MP01



Audio device MP01 with integrated CD/MP3 player and AM/FM tuner. This device facilitates the simultaneous playing of different sources into different zones.

Technical Data

Power supply	230 V AC
Power consumption	50 VA
Weight	3,5 kg
Dimensions (W x H x D)	482 x 44 x 250 mm (1 HE)
Tuner	
Frequency range	87,5 - 108 MHz
Frequency	IF 10,7 MHz
Sensitivity	10 µV @ 30 dB
Frequency response	100 ~ 10 KHz (6 dB point 50/IS)
CD / MP3	
Output voltage	1,2V ± 2 dB
Frequency response	20Hz - 20KHz (using 1KHz reference)



Loud speaker

Wall Surface mounted speakers	22
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Music cabinet speaker	31 - 32

581221



Wall Surface-mount Speaker W3, 3W, white



Loudspeaker plastic housing with integrated 100 V transformer and metallic lattice, available in white or papyrus white. The full-range W3 is tailored to the small budget.

Designed for easy mounting on any flat surface. Equipped with a transformer for systems with constant voltage.

Technical Data

Loading capacity	3 W
Transformer power taps	3 W – 1.5 W – 0.75 W
Sensitivity	90 dB @ 1 m / 1 W / 1 kHz
Sound pressure	95 dB
Transmission range	200 – 16 000 Hz
Dispersion at 1000 Hz, degrees	90°
Weight	0.9 kg
Material	ABS plastic housing
Colour	white
Diameter	130 mm (full range) / Chassis
Dimensions (W x H x D)	180 x 230 x 100 mm (Housing)

581220



Wall Surface-mount Speaker W10, 10W, white



Same as 581221, but 10 W.

Technical Data

Loading capacity	10 W
Transformer power taps	10 W – 5 W – 2.5 W
Sensitivity	92 dB @ 1 m / 1 W / 1 kHz
Sound pressure	102 dB
Transmission range	200 – 20 000 Hz
Diameter	130 mm (coaxial) / Chassis

581228



Wall Surface-mount Speaker i Speak 6



Plastic wall speaker with integrated 100 V transformer. The loudspeaker is designed to be easily mounted on any flat surface.

Technical Data

Operating voltage	6 W
Transformer power taps	6 W - 3 W
Sensitivity	92 db (@1 m/1W)
Sound pressure	max. 99 dB
Transmission range	130 Hz - 17 000 Hz
Dispersion at 1000 Hz, degrees	90° conical
Weight	1 kg
Material	ABS plastic housing / steel
Colour	white, similar to RAL 9018
Dimensions (W x H x D)	166 x 267 x 80 mm

581210



Recessed Ceiling Loudspeaker PC3



Plastic ceiling loudspeaker with integrated 100 V transformer, metallic lattice, double conical, fire dome in white. The PC 3 is perfectly adjusted for recessed, almost invisible and easy mounting.

Designed for quick and easy installation, recessed in hanging ceilings or panels, the PC series is ideal for background music and announcements. Equipped with a transformer for systems with constant voltage.

Technical Data

Loading capacity	8 W
Transformer power taps	6 W - 3 W - 1.5 W
Sensitivity	87 dB @ 1 m / 1 W / 1 kHz
Sound pressure	95 dB
Impedance	8 Ohm
Transmission range	150 – 20 000 Hz
Dispersion at 1000 Hz, degrees	90° conical
Weight	0.55 kg
Material	ABS plastic housing, stainless steel U bracket & hardware
Colour	white
Diameter	76 mm woofer, 13 mm tweeter (Chassis)
Dimensions (ØxD)	114 x 76 mm

581204



Recessed Ceiling Loudspeaker MC 4T, 6W



Metal ceiling loudspeaker with integrated 100 V transformer in white. The MC 4 T is perfectly adjusted for recessed, almost invisible and easy mounting.

Designed for quick and easy installation, recessed in hanging ceilings or panels, the MC series is ideal for background music and announcements. Equipped with a transformer for systems with constant voltage.

Technical Data

Loading capacity	6 W
Transformer power taps	6 W - 3 W
Sensitivity	90 dB @ 1 m / 1 W / 1 kHz
Sound pressure	98 dB
Impedance	8 Ohm
Transmission range	110 – 15 000 Hz
Dispersion at 1000 Hz, degrees	120° conical
Weight	0.7 kg
Material	metal
Colour	white
Diameter	100 mm (full range) / Chassis
Dimensions (ØxD)	180 x 50 mm

581207



Recessed Ceiling Loudspeaker MC 5T, 10W



Same as 581204, but 10 W.

Technical Data

Loading capacity	10 W
Transformer power taps	10 W - 5 W
Sensitivity	91 dB @ 1 m / 1 W / 1 kHz
Sound pressure	102 dB
Transmission range	100 – 16 000 Hz
Weight	0.75 kg
Diameter	130 mm (full range) / Chassis
Dimensions (ØxD)	200 x 54 mm

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581211



Recessed Ceiling Loudspeaker PC 5T, 10W



Plastic ceiling loudspeaker with integrated 100 V transformer und metallic lattice in white. The PC 5 T is perfectly adjusted for recessed, almost invisible and easy mounting.

Designed for quick and easy installation, recessed in hanging ceilings or panels, the MC series is ideal for background music and announcements. Equipped with a transformer for systems with constant voltage.

Technical Data

Loading capacity	10 W
Transformer power taps	10 W - 5 W - 2.5 W - 1.25 W
Sensitivity	84 dB @ 1 m / 1 W / 1 kHz
Sound pressure	94 dB
Impedance	8 Ohm
Transmission range	120 - 20 000 Hz
Dispersion at 1000 Hz, degrees	120° konisch
Weight	1.05 kg
Material	plastic
Colour	white
Diameter	130 mm woofer, 13 mm Tweeter
Dimensions (ØxD)	190 x 70 mm

581212



Recessed Ceiling Loudspeaker PC 8T, 20W



Same as 58104, but 20 W.

Technical Data

Loading capacity	20 W
Transformer power taps	20 W - 10 W - 5 W - 2.5 W
Sensitivity	87 dB @ 1 m / 1 W / 1 kHz
Sound pressure	100 dB
Transmission range	80 - 20 000 Hz
Weight	1.96 kg
Material	plastic
Diameter	200 mm woofer, 13 mm Tweeter
Dimensions (ØxD)	245 x 95 mm

581222



Recessed Ceiling Loudspeaker EVAC 5, 6W with fire dome



Metal - recessed ceiling loudspeaker with integrated 100 V transformer, metallic lattice and steel fire housing.

The EVAC 5 loudspeaker is designed for easy ceiling mounting. It is perfect for the playing of background music or announcements.

According to EN 60849, the EVAC 5 ceiling loudspeaker contains a ceramic clamp and a thermal fuse and is therefore suitable for the use in voice alarm systems.

Technical Data

Operating voltage	6 W
Transformer power taps	6 W - 3 W - 1.5 W - 0.75 W - 0.25 W
Sensitivity	95 db (@1 m/1W)
Sound pressure	max. 102 dB
Transmission range	150 Hz - 18 000 Hz
Dispersion at 1000 Hz, degrees	90° conical
Weight	1.3 kg
Material	steel
Colour	white, similar to RAL 9018
Dimensions (ØxD)	189 x 110 mm

581223



Recessed Ceiling Loudspeaker EVAC 6, 10 W - with fire dome



Metal - recessed ceiling loudspeaker with integrated 100 V transformer, metallic lattice, fire dome and white loudspeaker.

The EVAC 6 loudspeaker is designed for easy ceiling mounting. It is perfect for the playing of background music or announcements.

According to BS5839 Part 8, the EVAC 6 ceiling loudspeaker contains a ceramic clamp and a thermal fuse and is therefore suitable for the use in voice alarm systems.

Technical Data

Loading capacity	10 W
Transformer power taps	10 W - 5 W - 2.5 W
Sensitivity	93 dB @ 1 m / 1 W
Sound pressure	max. 120 db +/- 3 dB
Transmission range	120 – 20 kHz
Weight	1.43 kg
Material	metal
Colour	white
Dimensions (ØxD)	200 x 100 mm

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581232



Sound Projector SP 10, 10W



This projector loudspeaker is characterized by its unique design, a large sound, and its high sound quality in playing music and voice.

The SP10 consists of high-quality plastics, manufactured with aluminum bracket. It can even be used in heavy rain and in almost any commercial or industrial environment due to its IP55 protection: Supermarkets, public swimming pools, factories, factories, railway stations, parking lots - any place where perfect sound quality is needed.

Technical Data

Loading capacity	10 W
Transformer power taps	10 W – 5 W – 2.5 W
Sensitivity	91 +/- 3 dB @ 1 m / 1 W / 1 kHz
Sound pressure	101 dB
Transmission range	130 – 15 000 Hz
Dispersion at 1000 Hz, degrees	130°/150°
Weight	1.6 kg
Material	ABS, stainless steel bracket
Colour	white
Dimensions	138 x 205 mm (housing)

581231



Sound Projector SPM 20, 20W



Same as 581232, but 20 W.

Technical Data

Loading capacity	20 W
Transformer power taps	20 W - 10 W – 5 W
Sensitivity	92 +/- 3 dB @ 1 m / 1 W / 1 kHz
Sound pressure	105 dB
Transmission range	130 – 15 000 Hz
Weight	2.2 kg
Material	Aluminium, stainless steel bracket
Colour	white

581233



Sound projector ASP 20, 20 W, alu



The ASP 20 sound projector is characterized by its high sound quality in playing music and voice. It is equipped with water-proof housing and can thus be used in many different areas. For example halls, shopping malls, factories, factories, railway stations, parks etc.

Technical Data

Loading capacity	20 W
Transformer power taps	20 W - 10 W - 5 W
Sensitivity	92 dB
Sound pressure	105 dB +/- 3 dB
Transmission range	130 – 16 kHz
Weight	1,74 kg
Material	Aluminium
Colour	Aluminium
Dimensions (ØxD)	150 x 204 mm

581202



Horn Speaker HQ15, 15 W, IP66



Water-proof ABS plastic horn speaker suitable for music with integrated 100 V transformer. Ideal for both clear playing of voice messages as well as background music.

Technical Data

Loading capacity	15 W
Transformer power taps	15 W – 7.5 W
Sensitivity	105 dB @ 1 m / 1 W / 1 kHz
Sound pressure	117 dB
Transmission range	400 – 5000 Hz
Dispersion at 1000 Hz, degrees	70°
Type of protection	IP 66
Weight	1.4 kg
Material	plastic, aluminium U bracket
Colour	white
Dimensions (W x H x D)	223 x 235 x 170 mm (housing)

581203



Pressure Chamber Loudspeaker HQ30, 30W, IP66



Same as 581202, but 30 W.

Technical Data

Loading capacity	30 W
Transformer power taps	30 W – 15 W
Sensitivity	100 dB @ 1 m / 1 W / 1 kHz
Sound pressure	106 dB
Transmission range	300 – 6000 Hz
Weight	1.65 kg
Dimensions (W x H x D)	280 x 285 x 205 mm (housing)

581224



Water-proof Plastic Horn Speaker MH 50, 25W



Water-proof plastic and metal horn speaker suitable for music with integrated 100 V transformer, available in grey.

A large frequency range and a high linearity of the MH 50 means that it can be used perfectly for both clear playing of voice messages as well as background music.

Technical Data

Loading capacity	50 W
Transformer power taps	50 W – 30 W – 15 W
Sensitivity	98 dB @ 1 m / 1 W / 1 kHz
Sound pressure	115 dB
Transmission range	140 – 16 000 Hz
Dispersion at 1000 Hz, degrees	70°
Type of protection	IP55
Weight	4.85 kg
Material	ABS plastic and metal, aluminium U bracket
Colour	grey
Dimensions (W x H x D)	273 x 310 x 310 mm (housing)

Loud speaker

Horn Speaker

581225



Water-proof Plastic Horn Speaker MSH 60T



Water-proof ABS plastic horn speaker suitable for music with integrated 100 V transformer.

A large frequency range and a high linearity of the MSH 60T means that it can be used perfectly for both clear playing of voice messages as well as background music.

Technical Data

Loading capacity	60 W
Transformer power taps	60 W – 30 W – 15 W – 7.5 W
Sensitivity	99 dB @ 1 m / 1 W / 1 kHz
Sound pressure	118 dB
Transmission range	60 – 17 500 Hz
Dispersion at 1000 Hz, degrees	70°
Type of protection	IP 66
Weight	12.4 kg
Material	ABS plastic, aluminium U bracket
Colour	grey
Dimensions (W x H x D)	260 x 442 x 288 mm (housing)

581226



Pressure Chamber Loudspeaker MSH 30T



Same as 581225, but 30 W.

Technical Data

Loading capacity	30 W
Transformer power taps	30 W – 15 W – 7.5 W – 3.75 W
Sensitivity	99 dB @ 1 m / 1 W / 1 kHz
Sound pressure	114 dB
Transmission range	70 – 16 500 Hz
Weight	5.5 kg

581227



Pressure Chamber Loudspeaker H 10M



Pressure chamber loudspeaker with integrated 100 V transformer.

Technical Data

Loading capacity	10 W
Transformer power taps	10 W - 5 W - 2.5 W - 1.25 W
Sensitivity	105 dB (@ 1 m/1 W/1 kHz)
Sound pressure	110 dB
Transmission range	480 x 10 000 Hz
Dispersion at 1000 Hz, degrees	70° conical
Type of protection	IP56
Weight	0.9 kg
Material	plastic horn, plastic cap, metal bracket
Colour	white
Dimensions (ØxD)	143 x 210 mm

581215

||||| Plastic Spherical Loudspeaker SL20M, 20W, white



Modern style spherical loudspeaker with real surround sound. A 360° horizontal and 140° vertical sound emission results in almost total coverage. This excellent emission together with an even frequency response and good efficiency enable the loudspeaker to solve many acoustic problems.

Ideal for use in large areas such as factories, entrance halls or factories. Can be used for voice as well as music.

Technical Data

Loading capacity	20 W
Transformer power taps	20 W – 10 W – 5 W
Sensitivity	93 dB @ 1 m / 1 W / 1 kHz
Sound pressure	106 dB
Transmission range	80 – 20 000 Hz
Dispersion at 1000 Hz, degrees	360° horizontal and 140° vertical
Weight	1.25 kg
Material	ABS plastic housing
Colour	white
Dimensions (Ø)	210 mm (housing)

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581201



Water-proof Column Loudspeaker COM 20, 20W



Water-proof column loudspeaker for outdoor usage. Large frequency range and high sensitivity make the speaker suitable for background music in large areas.

Typical areas of use are anywhere where high resistance to environmental influences is needed, such as e.g. railway stations, churches, factories, factories and outside parking lots.

Technical Data

Loading capacity	20 W
Transformer power taps	20 W - 10 W
Sensitivity	92 dB @ 1 m / 1 W / 1 kHz
Sound pressure	105 dB
Transmission range	100 – 15 000 Hz
Dispersion at 1000 Hz, degrees	180° (H) x 20° (V)
Type of protection	IP 54
Weight	3 kg
Material	aluminium
Colour	grey, similar to RAL 9007
Diameter	2 x 120 mm (Chassis)
Dimensions (W x H x D)	151 x 378 x 125 mm (housing)

581234



Sound Column COM 40, alu, 40W, IP 44



Same as 581201, but 40 W.

Technical Data

Loading capacity	40 W
Transformer power taps	40 W - 20 W
Sensitivity	94 dB @ 1 m / 1 W / 1 kHz
Sound pressure	110 dB
Weight	3.2 kg
Dimensions (W x H x D)	151 x 618 x 125 mm (housing)

581235



Standard Column Loudspeaker MCS 20T, 20 W, white



The extremely compact and robust column loudspeaker from the MCS series is ideal for corner or wall mounting.

It is made from enameled and pressed aluminum with a protective metallic lattice in the front. It can also be fitted to holders mixed with light installations.

Technical Data

Loading capacity	20 W
Transformer power taps	20 W - 10 W - 5 W - 2.5 W
Sensitivity	93 dB @ 1 m / 1 W / 1 kHz
Sound pressure	106 dB
Impedance	4 Ohm
Transmission range	230 – 20 000 Hz
Dispersion at 1000 Hz, degrees	155° (H) x 80° (V)
Weight	2.7 kg
Material	aluminium
Colour	white
Diameter	2 x 75 mm and 1 x HF unit (Chassis)
Dimensions (W x H x D)	98 x 368 x 90 mm (housing)

Loud speaker

Music cabinet speaker

581216



Encased Loudspeaker Music VIVA-3 302 WT 15W, white



2-way encased loudspeaker with wall-mounting bracket and integrated 100 V transformer. The VIVA-3 series is perfectly suitable for background music. The 80 mm Mica Cone Rubber Edge Woofer, the 13 mm Mylar Dome Tweeter and the U-shaped wall-mounting bracket (included) contribute to the unbelievable popularity of this series among all of our customers. It also is equipped with a rotating logo which self-adjusts according to the mounting position.

Technical Data

Loading capacity	15 W
Transformer power taps	15 W – 7.5 W – 3 W – 8 Ohm
Sensitivity	84 dB @ 1 m / 1 W / 1 kHz
Sound pressure	96 dB
Transmission range	150 – 20 000 Hz
Dispersion at 1000 Hz, degrees	90° conical
Weight	1.5 kg
Material	ABS plastic housing, stainless steel U bracket & hardware
Colour	white
Diameter	80 mm Woofer / 13 mm Tweeter
Dimensions (W x H x D)	129 x 193 x 154 mm (housing)

581230



Loudspeaker Box VIVA-3 302 BT 15W, black



Same as 581216, but black.

Technical Data

Loading capacity	15 W
Transformer power taps	15 W – 7.5 W – 3 W – 8 Ohm
Sensitivity	84 dB @ 1 m / 1 W / 1 kHz
Sound pressure	96 dB
Transmission range	150 – 20 000 Hz
Dispersion at 1000 Hz, degrees	90° conical
Weight	1.5 kg
Material	ABS plastic housing, stainless steel U bracket & hardware
Colour	black
Diameter	80 mm Woofer / 13 mm Tweeter
Dimensions (W x H x D)	129 x 193 x 154 mm (housing)

581218



Loudspeaker Box VIVA-3 502 WT 25W, white



Same as 581216, but 25 W.

Technical Data

Loading capacity	25 W
Transformer power taps	25 W – 15 W – 5 W – 8 Ohm
Sensitivity	84 dB @ 1 m / 1 W / 1 kHz
Sound pressure	98 dB
Transmitting range	70 – 20 000 Hz
Weight	2.8 kg
Colour	white
Diameter	130 mm Woofer / 13 mm tweeter (Chassis)
Dimensions (W x H x D)	180 x 240 x 206 mm (housing)

581217



Loudspeaker Box VIVA-3 502 BT 25W, black



Same as 581218, but black.

Technical Data

Colour	black
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Loud speaker

Music cabinet speaker

581219



Loudspeaker Box VIVA-6 WT, 30W, white



2-way encased loudspeaker with wall-mounting bracket and integrated 100 V transformer. The VIVA-6 series is perfectly suited for background music. The 165 mm Mica Cone Rubber Edge Woofer, the 19 mm Mylar Dome Tweeter and the U-shaped wall-mounting bracket (included) contribute to the unbelievable popularity of this series among all of our customers. It also is equipped with a rotating logo which self-adjusts according to the mounting position.

Technical Data

Loading capacity	50 W
Transformer power taps	30 W - 16 W - 8 W - 4 W - 8 Ohm
Sensitivity	89 dB @ 1 m / 1 W / 1 kHz
Sound pressure	106 dB
Transmission range	55 - 20 000 Hz
Dispersion at 1000 Hz, degrees	90° conical
Weight	4.25 kg
Material	ABS plastic housing, stainless steel U bracket & hardware
Colour	white, similar to RAL 9018
Diameter	80 mm Woofer / 13 mm tweeter (Chassis)
Dimensions (W x H x D)	129 x 193 x 154 mm (housing)

581236



Loudspeaker Box VIVA-6 WT, 30W, black

Same as 581219, but black.

Technical Data

Colour	black
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581229



Loudspeaker Box VIVA - iPlay 5WT, 30 W



The new iPlay series loudspeaker possess an appealing design and high sound quality. iPlay loudspeakers are mounted with a fixing clamp. They can be used for indoor and outdoor areas but should not be exposed to rain.

They are ideal for mounting under overhangs, on porches, on boats and in many areas of private or business life in which an easy vertical or horizontal installation is required. With the gold-plated connection terminal, stable housing and the stainless fittings, the aluminum lattice and the resonance-free, corrosion-proof housing, all loudspeakers are fully weather-proof and protected from rust.

Technical Data

Loading capacity	35 W (8Ω)
Transformer power taps	30 W - 16 W - 8 W - 4 W - 8Ω
Sensitivity	89 dB
Sound pressure	104 dB
Transmission range	50 Hz - 20 kHz
Weight	2.1 kg
Material	Polymer-Cabinet
Colour	white (Woofer)
Dimensions (W x H x D)	163 x 239 x 160 mm



19" Rack

VARIODYN® Cabinet System – light	34 - 35
VARIODYN® Cabinet System – with hinged frame	36 - 41
VARIODYN® Cabinet System – without hinged frame	42 - 44
General supplies 19" Rack	45



This cabinet system saves space and money. The swiveling 19" doorframe makes the cabinet accessible from the front side and is easy to mount on the wall. During installation and maintenance work, the cabinet is easy to open even while the 19" doorframe is fully charged, thanks to an integrated pivot ball. During the development of the VARIODYN® cabinet system – light version, special attention has been given to the high weight of the devices such as station amplifier and UPS by increasing the maximum load capacity of the 19" doorframe. The low weight of the mounting system reduces transport cost and facilitates mounting.



- cabinet frame, anodized aluminum profile
 - with side panels and ventilated top panel
 - integrated steel pivot ball for the door frame
- rear mounting plate
- base with flexible stabilizer
- flexible wall mounting
- cable entry is provided:
 - from the bottom of the cabinet
 - from the back of the cabinet on the top and bottom
- door frame (19" mounting frame) from the right, fixed with screws
- decor hidens in the front profiles

Accessories:

- 584756 Unit tray 3HE / depth 350mm
- 584757 Unit tray 3HE / depth 500mm
- 584754 Slide-in rail 300

584801



Cabinet frame with door frame 24HU

Technical Data

Maximum loading capacity	180 kg
Weight	39 kg
Dimensions (W x H x D)	650 x 1360 x 435 mm

584801.R



Cabinet frame with door frame 24HU, incl. mounting

Same as 584801, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584802



Cabinet frame with door frame 36HU

Technical Data

Maximum loading capacity	220 kg
Weight	47 kg
Dimensions (W x H x D)	650 x 1890 x 435 mm

584802.R



Cabinet frame with door frame 36HU, incl. mounting

Same as 584802, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584811



Cabinet frame with door frame 24HU (780 mm deep)

Technical Data

Maximum loading capacity	180 kg
Weight	58 kg
Dimensions (W x H x D)	800 x 1360 x 780 mm

584811.R



Cabinet frame with door frame 24HU (780 mm deep), incl. mounting

Same as 584811, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584812



Cabinet frame with door frame 36HE (780 mm deep)

Technical Data

Maximum loading capacity	220 kg
Weight	71 kg
Dimensions (W x H x D)	800 x 1890 x 780 mm

584812.R



Cabinet frame with door frame 36HU (780 mm deep), incl. mounting

Same as 584812, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

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19" Rack



VARIODYN® Cabinet System – with hinged frame

Delivery contains the basic cabinet elements. All further elements such as doors, side panels, base panels etc. are ordered separately as accessories. Supported by an integrated pivot ball, the cabinet can be opened and closed easily for installation and service even with the fully loaded hinged frame.

The heavy weight of the components such as power output amplifier and UPS was taken into consideration during the development of the VARIODYN® Cabinet System and therefore the carrying capacity of the hinged frame was radically increased.

The slight self-weight lowers the transport costs and makes mounting easier.



- cabinet frame, anodized aluminum profile
 - with directly touching or elevated cover plate and cable entry 250 x 100 mm incl. cover
 - integrated steel pivot ball for hinged frame
 - with cable clamping rail which can be mounted on the top or the bottom, according to the cable entry
- base with flexible stabilizer
 - 19" hinged frame
 - hinged from the right
 - with side hider
 - lockable
- one mounting rail, vertical

Accessories:

584756	Unit tray 3HE/350
584757	Unit tray 3HE/500
584759	Solid door fan cut-out - alu AKA
584760	Acrylic plastic door fan cut-out. AKA
584754	Slide-in rail 300

584821



Cabinet frame with hinged frame 24HU

Technical Data

Maximum weight load	180 kg
Weight	58 kg
Dimensions (W x H x D)	800 x 1360 x 780 mm

Accessories:

584700	Transparent doors with lock (for front and back usage) for 584821, 584825
584710	Solid doors - alu with lock (for front and back usage) for 584821, 584825
584717	Solid doors - alu perforated with lock (for front and back usage) for 584821, 584825
584724	Side wall - alu with quick release for 584821
584734	Rear wall - alu with quick release for 584821, 584825
584741	Floor plate set 800*780
584744	Mounting rail vertical for 584821, 584825
584753	Line-up connector set

584821.R



Cabinet frame with hinged frame 24HU, incl. mounting

Same as 584821, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584822



Cabinet frame with hinged frame 36HU

Technical Data

Maximum weight load	220 kg
Weight	72 kg
Dimensions (W x H x D)	800 x 1890 x 780 mm

Accessories:

584701	Transparent doors with lock (for front and back usage) for 584822, 584826
584711	Solid doors - alu with lock (for front and back usage) for 584822, 584826
584718	Solid doors - alu perforated with lock (for front and back usage) for 584822, 584826
584725	Side wall - alu with quick release for 584822
584735	Rear wall - alu with quick release for 584822, 584826
584741	Floor plate set 800*780
584745	Mounting rail vertical for 584822, 584826
584753	Line-up connector set

584822.R



Cabinet frame with hinged frame 36HU, incl. mounting

Same as 584822, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584823



Cabinet frame with hinged frame 40HU

Technical Data

Maximum weight load	250 kg
Weight	86 kg
Dimensions (W x H x D)	800 x 2070 x 780 mm

Accessories:

584702	Transparent doors with lock (for front and back usage) for 584823, 584827
584712	Solid doors - alu with lock (for front and back usage) for 584823, 584827
584719	Solid doors - alu perforated with lock (for front and back usage) for 584823, 584827
584726	Side wall - alu with quick release for 584823
584736	Rear wall - alu with quick release for 584823, 584827
584741	Floor plate 800*780
584746	Mounting rail vertical for 584823, 584827
584753	Line-up connector set

584823.R



Cabinet frame with hinged frame 40HU, incl. mounting

Same as 584823, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584824



Cabinet frame with hinged frame 42HU

Technical Data

Maximum weight load	250 kg
Weight	88 kg
Dimensions (W x H x D)	800 x 2160 x 780 mm

Accessories:

584703	Transparent door with lock (for front and back usage) for 584824
584713	Solid doors with lock (for front and back usage) for 584824
584720	Solid doors - alu perforated with lock (for front and back usage) for 584824
584727	Side wall - alu with quick release for 584824
584737	Rear wall - alu with quick release for 584824
584741	Floor plate set 800*780
584747	Mounting rail vertical for 584824
584753	Line-up connector set

584824.R



Cabinet frame with hinged frame 42HU, incl. mounting

Same as 584824, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584825



Cabinet frame with hinged frame 24HU - 600 mm deep

Technical Data

Maximum weight load	180 kg
Weight	56 kg
Dimensions (W x H x D)	800 x 1360 x 600 mm

Accessories:

584700	Transparent door with lock (for front and back usage) for 584821, 584825
584710	Solid doors with lock (for front and back usage) for 584821, 584825
584717	Solid doors - alu perforated with lock (for front and back usage) for 584821, 584825
584731	Side wall - alu with quick release for 584825
584734	Rear wall - alu with quick release for 584821, 584825
584743	Floor plate for 584825, 584826, 584827
584744	Mounting rail vertical for 584821, 584825
584753	Line-up connector set

584825.R



Cabinet frame with hinged frame 24HU - 600 mm deep, incl. mounting

Same as 584825, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584826

**Cabinet frame with hinged frame 36HU - 600 mm deep****Technical Data**

Maximum weight load	220 kg
Weight	70 kg
Dimensions (W x H x D)	800 x 1890 x 600 mm

Accessories:

584701	Transparent door with lock (for front and back usage) for 584822, 584826
584711	Solid doors with lock (for front and back usage) for 584822, 584826
584718	Solid doors - alu perforated with lock (for front and back usage) for 584822, 584826
584732	Side wall - alu with quick release for 584826
584735	Rear wall - alu with quick release for 584822, 584826
584743	Floor plate for 584825, 584826, 584827
584745	Mounting rail vertical for 584822, 584826
584753	Line-up connector set

584826.R

**Cabinet frame with hinged frame 36HU - 600 mm deep, incl. mounting**

Same as 584826, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584827

**Cabinet frame with hinged frame 40HU - 600 mm deep****Technical Data**

Maximum weight load	250 kg
Weight	86 kg
Dimensions (W x H x D)	800 x 2070 x 600 mm

Accessories:

584702	Transparent door with lock (for front and back usage) for 584824, 584827
584712	Solid doors with lock (for front and back usage) for 584824, 584827
584719	Solid doors - alu perforated with lock (for front and back usage) for 584824, 584827
584733	Side wall - alu with quick release for 584827
584736	Rear wall - alu with quick release for 584824, 584827
584743	Floor plate for 584825, 584826, 584827
584746	Mounting rail vertical for 584824, 584827
584753	Line-up connector set

584827.R

**Cabinet frame with hinged frame 40HU - 600 mm deep, incl. mounting**

Same as 584827, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

Accessories VARIODYN® Cabinet System – with hinged frame

584700



















**Transparent doors with lock for 584821, 584825**

584701

**Transparent doors with lock for 584822, 584826**

19" Rack

VARIODYN® Cabinet System – with hinged frame

584702		Transparent doors with lock for 584823, 584827
584703		Transparent doors with lock for 584824
584710		Solid doors - alu with lock for 584821, 584825
584711		Solid doors - alu with lock for 584822, 584826
584712		Solid doors - alu with lock for 584823, 584827
584713		Solid doors with lock for 584824
584717		Solid doors - alu perforated with lock for 584821, 584825
584718		Solid doors - alu perforated with lock for 584822, 584826
584719		Solid doors - alu perforated with lock for 584823, 584827
584720		Solid doors - alu perforated with lock for 584824
584724		Side wall - alu with quick release for 584821
584725		Side wall - alu with quick release for 584822
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584727		Side wall - alu with quick release for 584824
584731		Side wall - alu with quick release for 584825
584732		Side wall - alu with quick release for 584826
584733		Side wall - alu with quick release for 584827
584734		Rear wall - alu with quick release for 584821, 584825

19" Rack

VARIODYN® Cabinet System – with hinged frame

584735		Rear wall - alu with quick release for 584822, 584826
584736		Rear wall - alu with quick release for 584823, 584827
584737		Rear wall - alu with quick release for 584824
584741		Floor plate set 800*780
584743		Floor plate for 584825, 584826, 584827
584744		Mounting rail vertical for 584821, 584825
584746		Mounting rail vertical for 584823, 584827
584747		Mounting rail vertical for 584824
584753		Line-up connector set

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19" Rack

VARIODYN® Cabinet System – without hinged frame



The advantage of this cabinet systems lies in the space savings and the manifold configuration possibilities in combination with accessibility from the front and the back. Due to the permanently fixed 19" guide rails a significantly higher weight load is possible. Delivery contains the basic elements of the rack.

All further elements such as doors, side panels, base panels etc. are ordered separately as accessories. This cabinet system is additionally equipped for a second mounting level which allows for the mounting of components to the front and the back of the cabinet, taking the depth of the components into consideration. The high weight of the components such as power output amplifier and UPS was taken into consideration during the development of the VARIODYN® Cabinet System. The slight self-weight lowers the transport costs and makes mounting easier.

Technical Data

Type of protection	IP 40
Maximum weight load	400 kg
Weight	62 kg



- cabinet frame, anodized aluminum profile
 - with directly touching or elevated cover plate and cable entry 250 x 100 mm incl. cover
 - with cable clamping rail which can be mounted on the top or the bottom according to the cable entry
- base with flexible stabilizer
- 19" guide rails front and back
 - forwards/backwards adjustable in 25 mm raster

Accessories:

- 584756 Unit tray 3HE/350
- 584757 Unit tray 3HE/500
- 584759 Solid alu doors fan cut-out AKA
- 584755 Slide-in angle 45°*45
- 584760 Acrylic plastic door fan cut-out AKA

584831



Cabinet frame without hinged frame 40 HU

Technical Data

Dimensions (W x H x D)	600 x 1980 x 780 mm
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Accessories:

- 584704 Transparent doors with lock (for front and back usage) for 584831
- 584714 Solid doors - alu with lock (for front and back usage) for 584831
- 584721 Solid doors - alu perforated with lock (for front and back usage) for 584831
- 584728 Side wall - alu with quick release for 584831
- 584738 Rear wall - alu with quick release for 584831
- 584742 Floor plate set
- 584748 Mounting rail vertical for 584831
- 584752 Mounting rail horizontal
- 584753 Line-up connector set

584831.R



Cabinet frame without hinged frame 40 HU, incl. mounting

Same as 584831, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584832



Cabinet frame without hinged frame 42 HU

Technical Data

Dimensions (W x H x D)

600 x 2070 x 780 mm

Accessories:

584705	Transparent doors with lock (for front and back usage) for 584832
584715	Solid doors - alu with lock (for front and back usage) for 584832
584722	Solid doors - alu perforated with lock (for front and back usage) for 584832
584729	Side wall - alu with quick release for 584832
584739	Rear wall - alu with quick release for 584832
584742	Floor plate set
584749	Mounting rail vertical for 584832
584752	Mounting rail horizontal
584753	Line-up connector set

584832.R



Cabinet frame without hinged frame 42 HU, incl. mounting

Same as 584832, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

584841



Cabinet frame without hinged frame 40 HU - 800 mm wide

Technical Data

Dimensions (W x H x D)

800 x 1980 x 780 mm

Accessories:

584706	Transparent doors with lock (for front and back usage) for 584841
584716	Solid doors - alu with lock (for front and back usage) for 584841
584723	Solid doors - alu perforated with lock (for front and back usage) for 584841
584730	Side wall - alu with quick release for 584841
584740	Rear wall - alu with quick release for 584841
584741	Floor plate set
584750	Mounting rail vertical for 584841
584752	Mounting rail horizontal
584753	Line-up connector set

584841.R



Cabinet frame without hinged frame 40 HU - 800 mm wide incl. mounting

Same as 584841, but including mounting of the voice alarm components.



Please note that the cables are not included in the price.

Accessories VARIODYN® Cabinet System – without hinged frame

584704



Transparent doors with lock for 584831

584705



Transparent doors with lock for 584832



















584706



Transparent doors with lock for 584841

19" Rack

VARIODYN® Cabinet System – without hinged frame

584714		Solid doors - alu with lock for 584831
584715		Solid doors - alu with lock for 584832
584716		Solid doors - alu with lock for 584841
584721		Solid doors - alu perforated with lock for 584831
584722		Solid doors - alu perforated with lock for 584832
584723		Solid doors - alu perforated with lock for 584841
584728		Side wall - alu with quick release for 584831
584729		Side wall - alu with quick release for 584832
584730		Side wall - alu with quick release for 584841
584738		Rear wall - alu with quick release for 584831
584739		Rear wall - alu with quick release for 584832
584740		Rear wall - alu with quick release for 584841
584742		Floor plate set
584748		Mounting rail vertical for 584831
584749		Mounting rail vertical for 584832
584750		Mounting rail vertical for 584841
584752		Mounting rail horizontal
584753		Line-up connector set

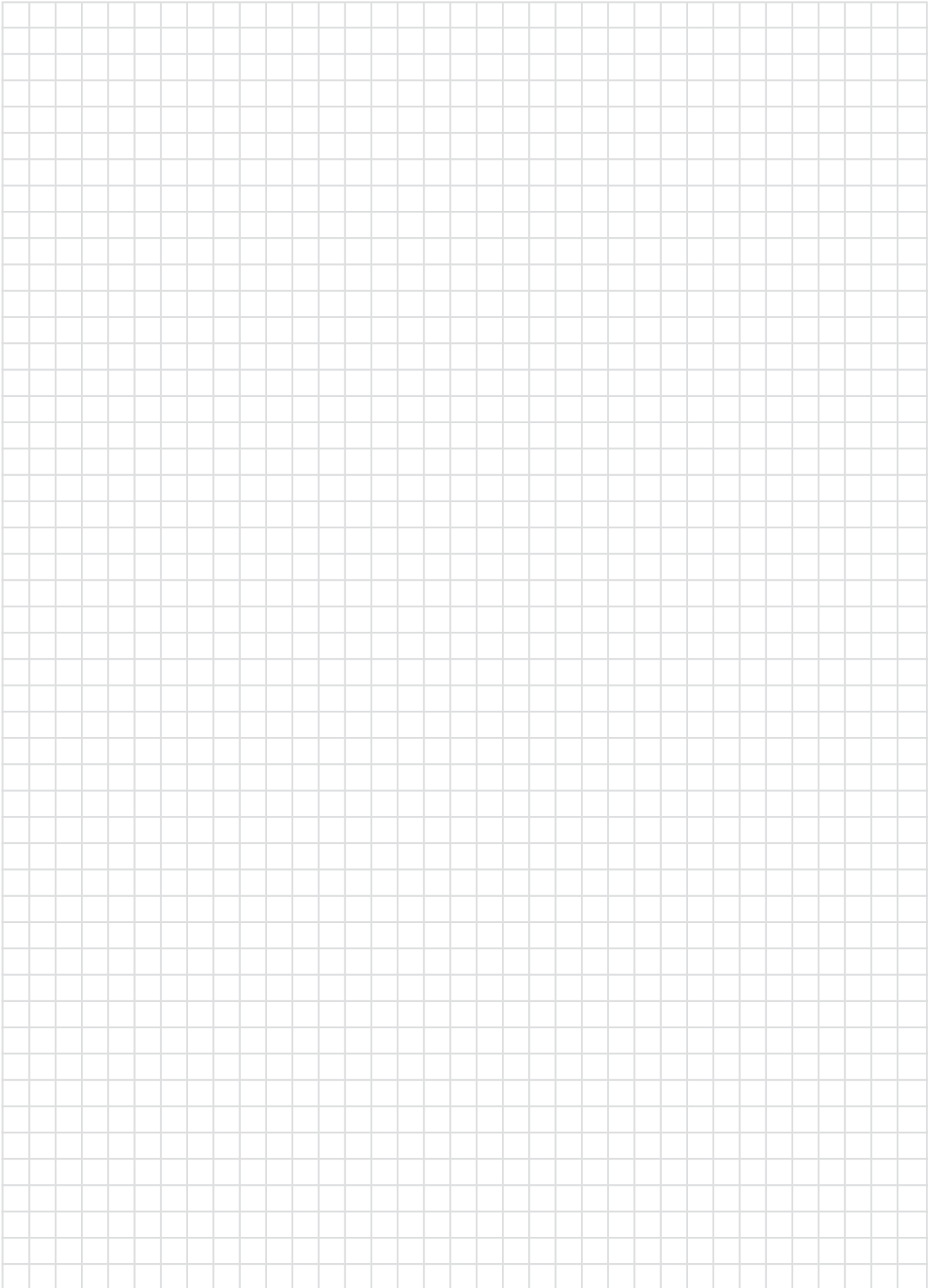
584701		Transparent doors with lock for 584822, 584826
584702		Transparent doors with lock for 584823, 584827
584756		Unit tray 3HE/350
584757		Unit tray 3HE/500
584759		Solid door fan cut-out - alu AKA
584760		Acrylic plastic door fan cut-out AKA
584754		Slide-in rail 300
584755		Slide-in angle 45*45
584707		Thermostat for upright cabinet fan
584708		Brushings for upright cabinet cover
584709		Cover spacers for upright cabinet

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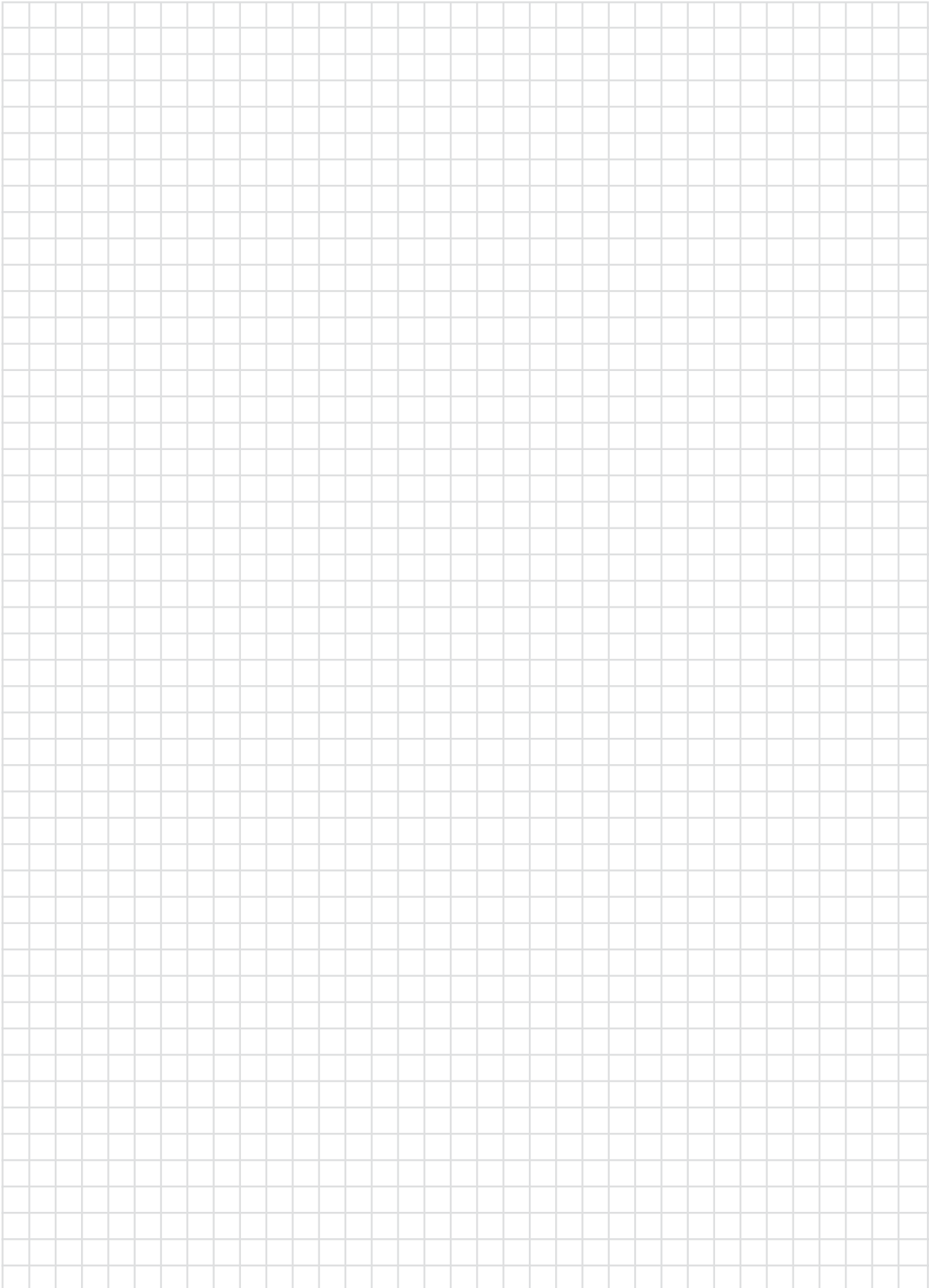
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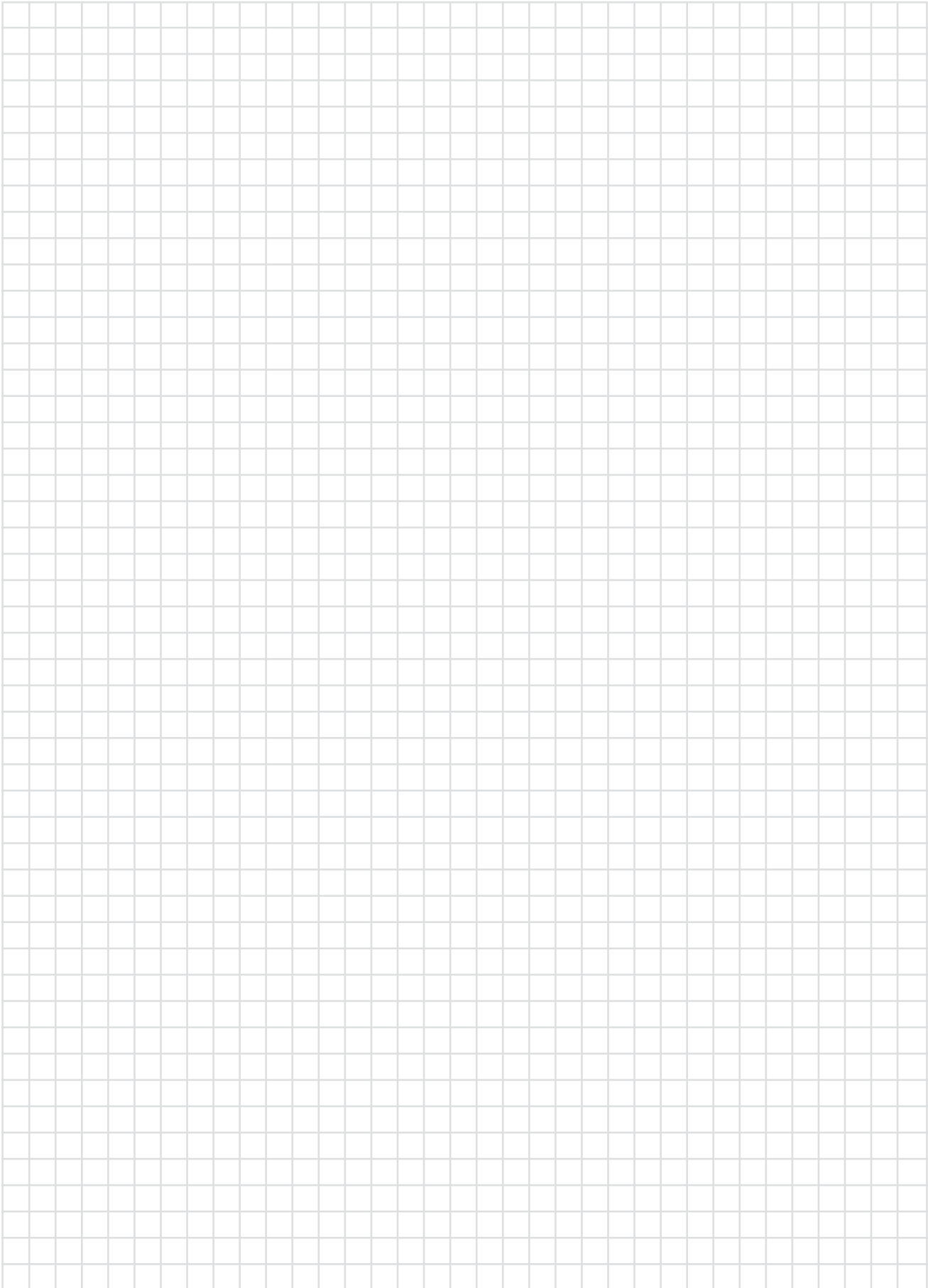
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Signal cable 12 for UIM VARIODYN® D1	17	VARIODYN® D1 Universal Interface Module (UIM)	16
Slide-in angle 45°45	45	Ventilation panel 1HU for VARIODYN® D1	18
Slide-in rail 300	45	Wall junction box for Communication Station DCS VARIODYN® D1	18
Solid door fan cut-out - alu AKA	45	W all Surface-mount Speaker i Speak 6	22
Solid doors - alu perforated with lock for 584821, 584825	40	Wall Surface-mount Speaker W10, 10W, white	22
Solid doors - alu perforated with lock for 584822, 584826	40	Wall Surface-mount Speaker W3, 3W, white	22
Solid doors - alu perforated with lock for 584823, 584827	40	Water-proof Plastic Horn Speaker MH 50, 25W	27
Solid doors - alu perforated with lock for 584824	40	Water-proof Plastic Horn Speaker MSH 60T	28
Solid doors - alu perforated with lock for 584831	44	Water-proof Column Loudspeaker COM 20, 20W	30
Solid doors - alu perforated with lock for 584832	44		
Solid doors - alu perforated with lock for 584841	44		
Solid doors - alu with lock for 584821, 584825	40		
Solid doors - alu with lock for 584822, 584826	40		
Solid doors - alu with lock for 584823, 584827	40		
Solid doors - alu with lock for 584831	44		
Solid doors - alu with lock for 584832	44		
Solid doors - alu with lock for 584841	44		
Solid doors with lock for 584824	40		
Sound Column COM 40, alu, 40W, IP 44	30		
Sound projector ASP 20, 20 W, alu	26		

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