

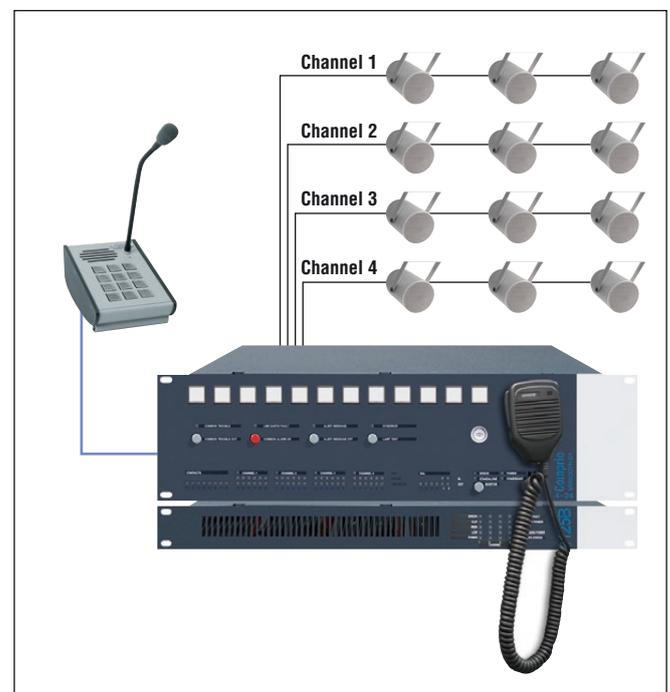
## VARIODYN® D1 Comprio

- ✓ A compact system optimized for small and medium-size facilities
- ✓ Consisting of control unit and four-channel amplifier
- ✓ Amplifier with integrated battery charger in accordance with EN 54-4
- ✓ Simple programming and commissioning
- ✓ Optional versions in table or wall-mounted housing
- ✓ All VARIODYN D1 peripherals are usable
- ✓ Loop technology and/or spur technology can be connected
- ✓ EN 54-16 compliant

### Description

The VARIODYN D1 Comprio is a voice alarm system optimized to the requirements of small and medium-size facilities like schools, hotels, shopping centers, offices, etc. It is characterized by a compact design and a wide performance range as well as its flexibility and optimal price/performance ratio.

A VARIODYN D1 Comprio always consists of a control unit that enables the implementation of all control, display and operating functions. Additionally, Comprio consists of a four-channel amplifier that includes a battery charger unit, too. This can also provide emergency power to the whole system, saving space and costs, since there is no need for an external emergency power supply any more. The two components are connected conveniently and safely by standard cables part of the VARIODYN D1 standard cable connection concept



System overview

### The VARIODYN D1 Comprio

The VARIODYN D1 Comprio is a full member of the VARIODYN D1 family. This allows the use of all VARIODYN D1 components, like digital call stations, installation kits, housings, etc.

The VARIODYN D1 Comprio, a comprehensive system for small and medium-size facilities, with the whole VARIODYN D1 Comfort. Programming is possible with the „Designer“ programming tool just like for the former VARIODYN D1 system. This allows clients familiar with the earlier VARIODYN D1 system to start working immediately

### Control Unit

The control unit comprises all controlling, monitoring, operating and display functions of an EN 54-16-compliant voice alarm system.

It has 24 loudspeaker lines also available for use as A/B lines. If required, it is also possible to program up to 4 loops in VARIODYN D1 Loop Technology. The status of the lines or rings are clearly indicated by LEDs. Additionally, the control unit has all collective indications and controls required by EN 54-16. The display and control concept is complemented by 12 freely programmable buttons, a key-operated switch and a socket for an optional hand-held microphone. The rear side of the system has numerous contacts and audio inputs and outputs.

### Performance features of the control unit:

- 8 loudspeaker lines or 4 loudspeaker circuits
- 24 loudspeaker lines or 4 loudspeaker circuits
- 12 freely programmable buttons
- 12 contact inputs (out of which 8 monitored)
- 8 relay outputs
- 2 Line In inputs
- 1 Line Out output
- 1 microphone input
- 1 key-operated switch for keyboard release
- 24 V input and output
- Collective controls and displays in accordance with EN 54-16
- 3 DAL connections
- 4 Ethernet connections
- 1 TWI connection
- Connections for the four-channel amplifier



Control unit

## 4XD125B four-channel amplifier

The 4XD125B four-channel amplifier provides 4 independent, galvanically isolated amplifier channels. Due to its Class D technology, it has a very high efficiency, with a very low level of self-heating. The 4XD125B may be connected to the control unit with a standard cable set. Because of the independent and isolated amplifier channels, it is possible to program one channel as an emergency amplifier and the other 3 channels as application amplifiers. The four-channel amplifier is implemented in a housing with a single height unit.

Beyond the function of being an amplifier, the 4XD125B contains an additional EN 54-4-compliant battery charger unit. This can be used to charge batteries up to 65 Ah. This can also provide emergency power to the VARIO-DYN D1 Comprio way beyond 36 hours plus 30 minutes of alarm signalling.

### Performance features of the 4XD125B:

- 4 independent amplifier channels with 125 W power each
- Class D technology
- Efficiency higher than 80%
- Integrated battery charger unit
- Battery capacity up to 65 Ah available
- EN 54-16 and EN 54-4 compliant
- Compact 1HE design



4XD125B four-channel amplifier

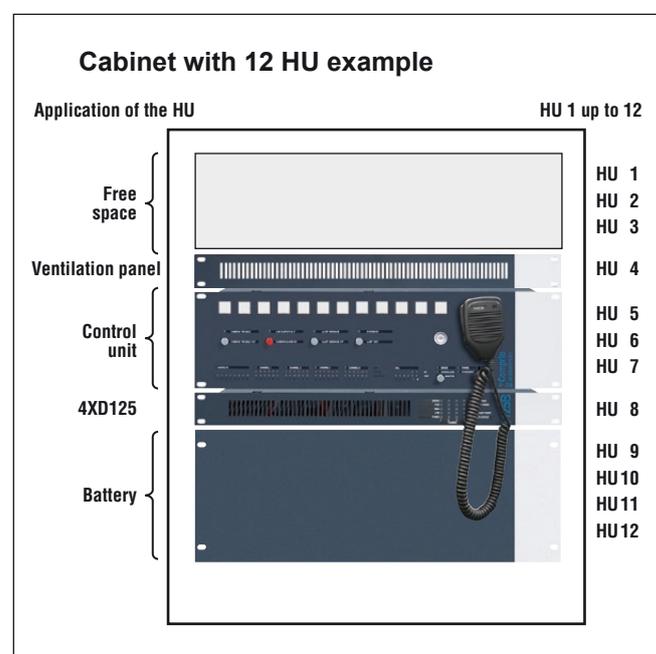
### Possible installation method

The whole VARIO-DYN D1 Comprio can be optionally implemented in the form of a 12 HU table or wall-mounted housing. The footprint of the housing is 600 x 600 mm.

In the floor area, up to 4 HU space is available for the batteries depending on the battery capacity. The control unit (3 HU) the 4XD125B four-channel amplifier (1 HU) and the required ventilation panel together require a total of 9 height units. This allows the use of 3 more free height units for additional components, like audio devices etc.

The whole VARIO-DYN D1 Comprio can be optionally implemented in the form of a 12 HU table or wall-mounted housing. The footprint of the housing is 600 x 600 mm.

In the floor area, up to 5 HU space is available for the batteries depending on the battery capacity. The control unit (3 HU) and the 4XD125B four-channel amplifier (1 HU) together require a total of 9 height units. This allows the use of 3 more free height units for additional components, like audio devices etc.



## Specifications

Rated voltage (4XD125B)	230 V AC
Rated frequency (4XD125B)	50 ... 60 Hz
Emergency power supply	24 V DC
Transmission range	20 ... 20000 Hz
Load impedance	typ. 200 $\Omega$
Harmonic distortion at nominal level	< 0,03 %
Ambient temperature	-5 °C ... 55 °C
Air humidity	15 % ... 90 % (non-condensing)
Weight	approx. 6.8 kg
Dimensions	W: 482 mm H: 132 mm D: 349 mm (3 HU, 19")

## Order information

## Part No.

VARIODYN D1 Comprio 4-8	583940
VARIODYN D1 Comprio 4-24	583941
VARIODYN D1 Comprio 4-8 net (network variant)	583944
VARIODYN D1 Comprio 4-24 net (network variant)	583945
VARIODYN D1 4XD125 four-channel amplifier	580242
Handheld microphone	583308
19" Rack for VARIODYN D1 Comprio	584913
19" Rack for VARIODYN D1 Comprio incl. Assembling	584913.R
Backup Amplifier Cable RC 22	583422
Output Cable DOM - 2 XV Amplifier	583477.21
Input Cable DOM (G2) XV (G2)	583491