

# ESSER

by Honeywell



Professional voice alarm for small and mid-sized buildings

## VARIODYN D1 Comprio



“Really easy to use – and with outstanding quality and simple maintenance.”

Ralf Braun, Janitor



## Loud and clear: Voice alarm systems

Voice alarms save lives. Because panic can only be prevented and the building evacuated in a quick and orderly manner if all essential information about the emergency is heard. In addition, people respond much more strongly to an acoustic signal than to an alarm sound, which is frequently not observed or can be interpreted incorrectly. Numerous studies have documented this time and again.

For this reason, voice alarm systems have gained ground in all locations where there are large crowds of people such as, subway stations, railway stations, airports, shopping centers, sports stadiums or event halls. Since they can be connected directly to the fire alarm control panels, they offer safety in cases of fire in particular.

Stored voice announcements give clear instructions for correct conduct, which are immediately understood. In this way, they ensure that the people in the building are alerted in good time and can be evacuated quickly and efficiently using the direct route. However, in everyday operation these systems are also suitable for entertainment, for advertising announcements or to communicate with employees in widespread building complexes.

The VARIODYN D1 voice alarm system fulfills these high requirements, and with its many technical features, goes far beyond the minimum standards required by the norms. Naturally, this also applies to the new VARIODYN D1 Comprio, which is particularly suitable for small and mid-sized buildings.



# Best quality, without compromise

The VARIODYN D1 voice alarm system stands for high quality and has proven itself in large buildings and installations. With VARIODYN D1 Comprio, ESSER has optimally adapted this expert knowledge to the special requirements for small and mid-sized buildings, such as, for example, schools, hotels, shopping centers, public authorities or offices.

## **One channel, many possible uses – that sounds good**

The audio channels transfer priority-controlled fire brigade announcements, such as, for example, announcements in supermarkets, background music in hotels or the school gong. Variable, dynamic and naturally digital.

## **Certified for sure**

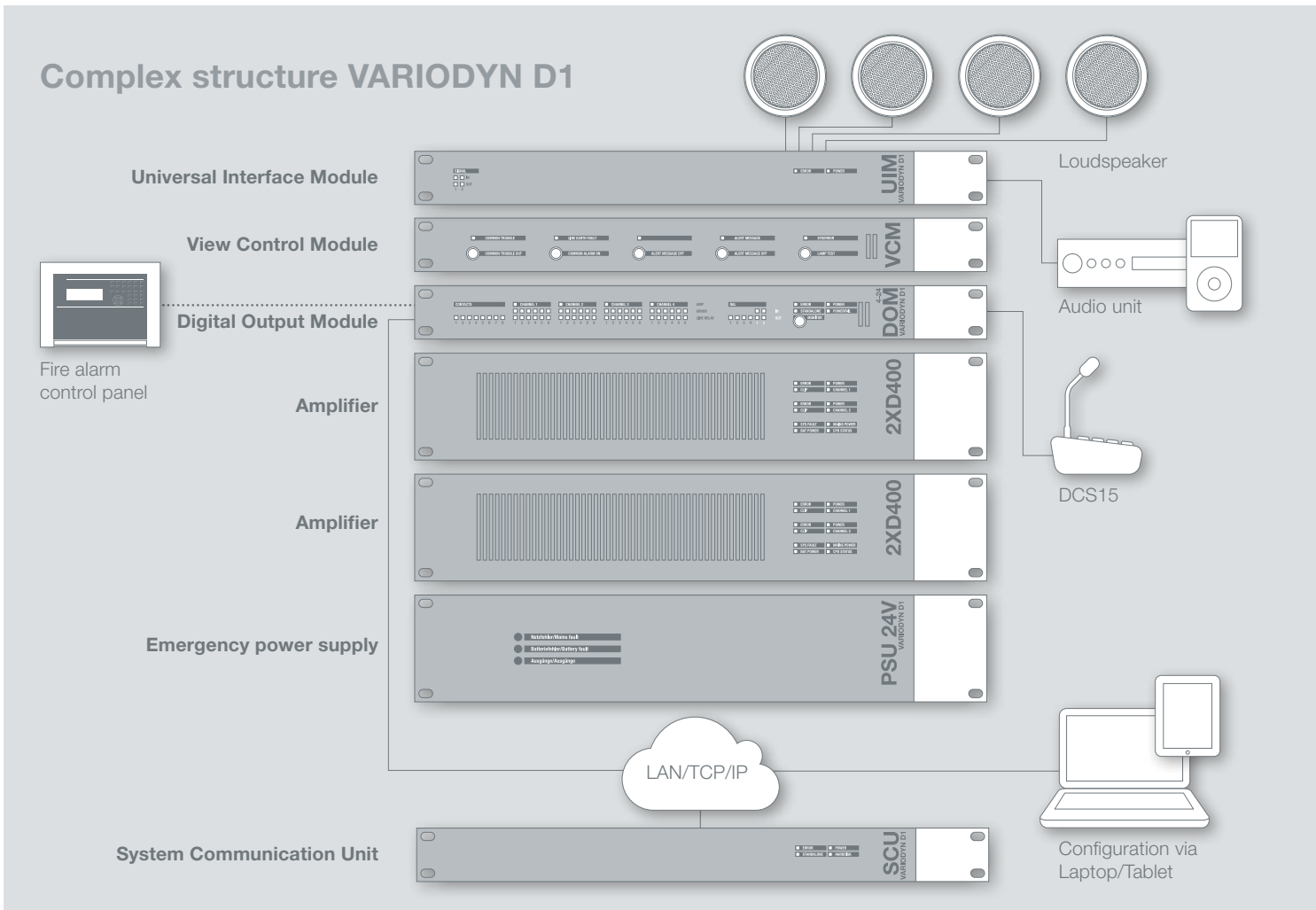
VARIODYN D1 is the modular norm-compliant “all in one” solution that fits – without compromising on safety. Because in addition to the EN-54-16, the freely-scalable system is the first to receive VdS approval as well. And it has the latest loop technology. This not only raises the reliability of the system, it also significantly reduces costs, because in many cases functions can be retained without costly and labor-intensive cabling. Thus, with VARIODYN D1 Comprio, even with a lower budget, you always have the best quality without having to make compromises.

“Sophisticated,  
uncomplicated  
and affordable –  
just like us.”

Susanne Kaiser, Hotel Manager



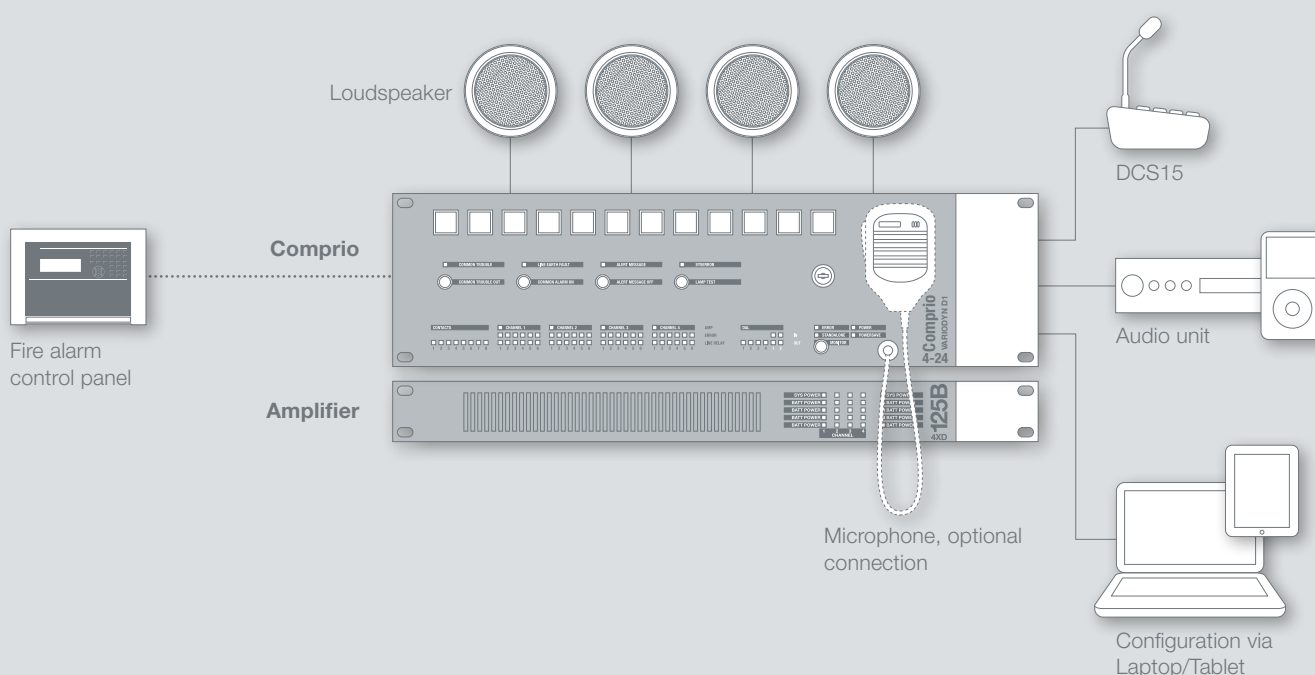
# Detection and alerting, hand in hand



First of all, the intelligent interplay between detection and alerting ensures that the building can be evacuated really quickly. The VARIODYN D1 Comprio voice alarm system can therefore be connected to the fire alarm control panel via an interface. If an alarm is triggered, the fire alarm control panel automatically triggers the voice alarm system, which transmits the voice announcements stored there via loudspeaker to the affected sections of the building.

In addition, it is possible to make “live announcements” (situation-related announcements) directly through the call stations. The alarm is always activated in the right place, without the need for additional equipment. The building can be evacuated very quickly, so that the fire brigade can immediately start extinguishing the fire.

## Compact structure VARIODYN D1 Comprio



### Optimized for small and mid-sized applications

VARIODYN D1 Comprio is impressive not only because of its compact structure and large range of services, but also due to its flexibility and excellent price-performance ratio. It can be easily extended and has additional connection options. Furthermore, it is especially simple to install, as the individual components are compatible with all existing VARIODYN D1 products. This saves time, effort and money.

### Ideal for:

- Schools
- Hotels
- Shopping centers
- Public authorities
- Offices

### The VARIODYN D1 product family: more than the sum of its parts

All of the components of the VARIODYN D1 product family are compatible, interchangeable and optimally adapted to the customer's growing needs. As varied as the requirements may be, all of the components are modularly designed

and can be combined with each other quickly and easily. VARIODYN D1 Comprio is no exception there. Call stations, converters, installation kits and housings can all be used. Programming takes place as with the earlier VARIODYN D1 system using the "Designer" programming tool. The advantage of this is that everyone who has already worked with the earlier VARIODYN D1 can start working immediately. In addition, everybody else can benefit from the fact that it is very simple to install and easy to use.

# Two components, one task: greater safety



The VARIODYN D1 Comprio system consists of two components: the control unit for the control, display and control functions, as well as the four-channel amplifier with a battery charger. Both components are conveniently and securely connected using standard cable from the VARIODYN D1 standard cabling concept.

The advantage of this two-component system is that, with the battery charger in the amplifier, the entire system will be supplied with emergency power in the case of a power failure. This saves valuable space and costs, as an external emergency power supply is no longer required.



## At a glance

- Compact structure
- Excellent price-performance ratio
- Two variants with 8 or 24 loudspeaker lines
- Standalone and/or network variants
- All functions without additional components
- Easy installation and programming with proven tools
- Integrated emergency power supply
- Optimum flexibility during system setup and by way of free programmability
- Complete VARIODYN D1-peripheral can be used
- Various amplifier variants can be connected
- Simple and intuitive operation
- Ring and spur technology are supported
- Data interface to ESSER fire detection technology
- Class D amplifier technology

## Performance features

### Control unit

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

### Four-channel amplifier 4XD125B

- 4 independent galvanically-separated amplifier channels each with 125 W power. One channel can be programmed as backup amplifier, the other 3 channels as application amplifiers.
- Higher efficiency with lower intrinsic heat through Class D technology
- Efficiency greater than 80 percent
- Standard cable set for connection with the control unit
- Integrated battery charger
- Accumulator capacity up to 65 Ah can be used (emergency power supply over 36 hours plus 30-minute fire alarm)
- EN-54-16- and EN-54-4-compliant
- Housing with only one height unit



“Impressive  
for sure: maximum  
performance with  
minimum effort.”

Stefan Precht, Installer



# Easy installation, convenient maintenance

VARIODYN D1 Comprio corresponds to the highest requirements and has features which guarantee effective and easy installation and operation. This saves money – for the installer as well as for the operator.

**Novar GmbH a Honeywell Company**

Dieselstraße 2

41469 Neuss, Germany

Phone: +49 2131 40615-600

Fax: +49 2131 40615-606

[www.esser-systems.com](http://www.esser-systems.com)

[info@esser-systems.de](mailto:info@esser-systems.de)

Part No. D800204.G0

March 2013

Technical changes reserved

© 2013 Honeywell International Inc.

**ESSER**  
by Honeywell