

VARIODYN® D1 Universal Interface Module UIM

- Two analog potential free audio inputs / outputs
- 48 contacts as freely programmable inputs and outputs / 8 inputs can be monitored
- Digital Audio Link (DAL) to DOM
- Implementation as 19"-mountable unit
- Connection to diverse disciplines possible via UIM

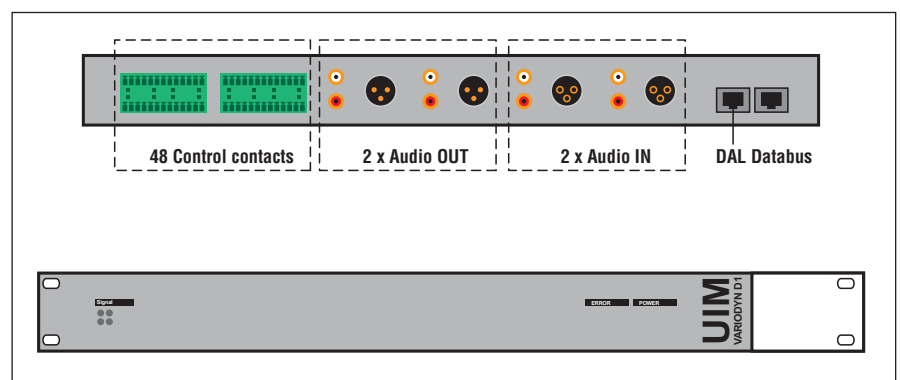


Application

The Universal Interface Module UIM serves as an interface module of the VARIODYN® D1 voice alarm and 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 for eight control contacts.

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

The 48 contacts can be configured as either contact inputs or outputs. In this way, the voice alarm system can be controlled externally, and information regarding the status of the system can be made available.



rear and front view UIM

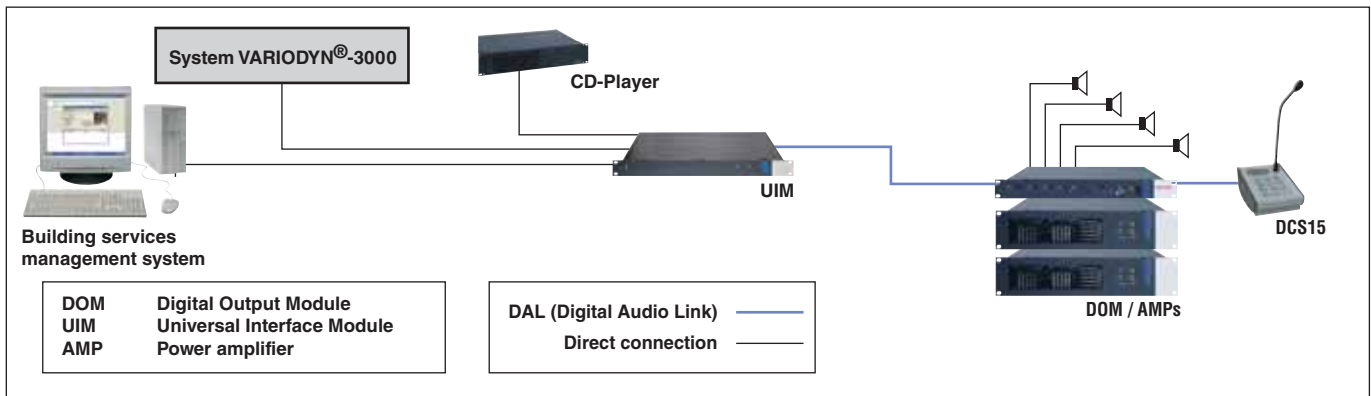
Description

The UIM digitalizes two analog audio inputs, from for example a CD player, or security system and transfers the digitalized audio data to the VARIODYN® D1 Modul DOM via the DAL-bus. To be able to record all plaid messages on an external device, two outputs are available as analog audio sources.

Indicators

- Green operational status indicator LED
- Yellow error indicator LED
- Four green audio signal indicator LEDs

The intensity of the green audio signal indicator LEDs is proportional to the signal level, which allows for continual monitoring of the audio signal.



UIM to DOM Connection

Technical Data

Audio Inputs

Nominal level	0 dB
Max. level	+6 dB
Transmission range	20 Hz to 22 kHz
Signal-to-noise ratio	> 95 dB
Harmonic distortion (at the nominal level)	< 0.05 %
Input impedance XLR-socket	100 k Ω , symmetric floating output
Input impedance Cinch-socket	1 k Ω , asymmetric floating output

Audio Outputs

Nominal level	0 dB
Transmission range	20 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
Output impedance Cinch-socket	200 Ω , asymmetric floating output

Control Contacts

Input Contact

Max. input voltage	+36 V DC
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Output Contacts

Contact rating	36 V DC/50 mA
Short-circuit-proof against +24 V	1 s

General technical Data

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 HE, 19"

Order information

Part No.

Universal Interface Module UIM	583331.21
Patchcable Cat5 blue, 1 m (DAL)	583481
Patchcable Cat5 blue, 2 m (DAL)	583482
Patchcable Cat5 blue, 3 m (DAL)	583483
Mounting kit 1	583703