

## VARIODYN® D1 Universal Interface Module UIM

- Connects multiple devices to the VARIODYN® D1 system
- Two analog potential free audio inputs / outputs
- 48 contacts freely programmable  
inputs and outputs / 8 inputs can be monitored
- Digital Audio Link (DAL) to DOM
- EN 54-16-approved, CPD number 0786-CPD-20997
- VdS-approved, VdS number G210122



### Application

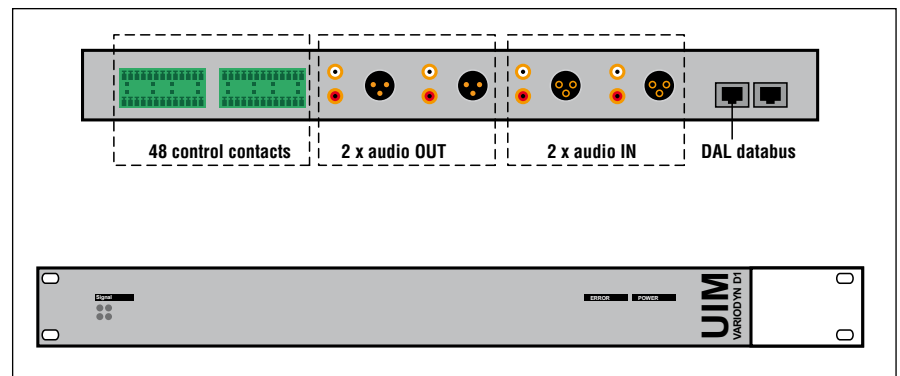
The Universal Interface Module (UIM) serves as an interface module of the VARIODYN® D1 voice alarm and public address system, connecting two analog audio inputs, two analog audio outputs as well as 48 control contacts. Monitoring of short circuiting and breakdown can be activated for eight control contacts.

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

### Description

The UIM digitizes two analog audio inputs, for example, a CD player or security system and transfers the digitized audio data to the VARIODYN® D1 module DOM via the DAL databus. To be able to record all played messages to an external device, two outputs are available as analog audio sources.

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

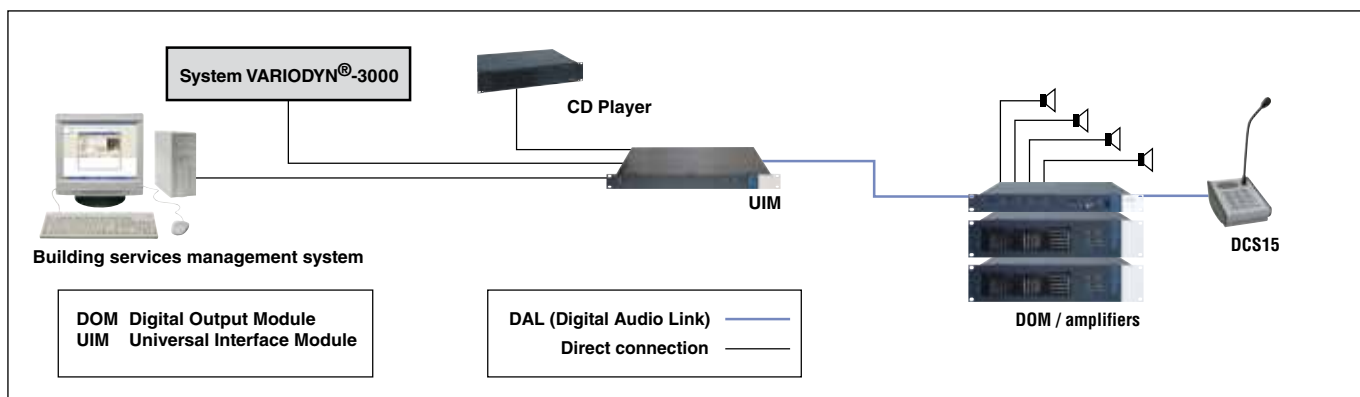


Rear and Front View

### LED Indicators

- Green operational status indicator
- Yellow error indicator
- Four green audio signal indicators

The intensity of the green LED audio signal indicator is proportional to the signal level, allowing for continual monitoring of the audio signal. Component 583332 should be used for lines to external devices longer than 3 m, in order to conform to EN 54-16 installations.



UIM to DOM Connection

## Technical data

### Audio inputs

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

### Audio outputs

Nominal level	0 dB
Transmission range	20 Hz ... 22 kHz
Signal-to-noise ratio.	> 85 dB
Harmonic distortion at the nominal level	< 0.05 %
Output impedance XLR socket	200 $\Omega$ , symmetric floating output
Output impedance Cinch socket	200 $\Omega$ , 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

Max. current consumption at 24 V	150 mA
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"

### Order information

	Part No.
Universal Interface Module UIM	583331.21
Overvoltage Protection Module for inputs / outputs incl. cable	583332
Patch cable Cat5 blue, 1 m, 2 m, 3 m (DAL)	583431, 583482, 583483
Signal cable 12	583401.21

Please find further ordering information in the catalog for the Voice Alarm Systems group of products.

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