

VARIODYN ONE

Universal Interface Module – UIM

APPLICATION

The UIM (Universal Interface Module) serves as the interface module of the VARIODYN® ONE PA/VA system for connecting two analog audio inputs, two analog audio outputs, as well as 48 control contacts. For eight control contacts, short-circuit and interruption monitoring can be activated.

The UIM is connected to the VARIODYN® ONE controller INC-D via the DAL bus. The 48 contacts can serve as inputs or outputs and can be used to interface with external devices or systems like analog call stations (DIGIM) or fire alarm systems.



UIM - 585001

FEATURES AND BENEFITS

- 48 programmable contact inputs/outputs
- 2 Audio Outputs
- Can connect up to 8 UIMs per INC- D controller
- 2 Audio Inputs
- Connected to INC via DAL (Digital Audio Link) port

TECHNICAL DATA

GENERAL	
Power consumption	< 150 mA @ 24 V DC
Ambient temperature	-5 °C ... +55 °C
Storage temperature	-10 °C ... +60 °C
Humidity	15 % ... 90 % rel. hum. (non-condensing)
Housing	Metal
Colour	RAL 810-M (Enclosure)
Weight	7.22 kg
Dimensions (W x H x D)	483 x 44 x 415 mm (1 HU)
Specification	EN 54-16

AUDIO OUTPUT	
Nominal level	0 dBu
Frequency range	20 Hz ... 22 kHz
Signal-to-noise ratio	> 85 dB
Distortion factor at nominal level	< 0.05%
Output impedance	200 Ω
XLR socket	Symmetrical, potential-free
CINCH socket	Asymmetrical, potential-free

XLR SOCKET	
Type	Symmetrical potential-free
Input impedance	100 kΩ

CINCH SOCKET	
Type	Asymmetrical potential-free
Input impedance	1 kΩ

CONTROL CONTACT	
INPUT CONTACT	
Max. input voltage	max. 24 V DC (over DAL-Bus)
Input voltage logical 0	> 8.5 V DC @ 5.6 kΩ
Input voltage logical 1	< 7.5 V DC @ 4.5 kΩ
Input resistance	10 kΩ
OUTPUT CONTACT	
Max. external voltage	24 V DC
Load current per output	max. 50 mA
Short-circuit proof against + 24 V	1 second

ORDER INFORMATION

MODEL NAME	PART NO.	DESCRIPTION
UIM	585001	Universal Interface Module

ACCESSORIES

PART NO.	DESCRIPTION
583401.21	Cable for cabinet rear panel UIM
583481A	Patch cable CAT5, 1 m blue (DAL)
583482A	Patch cable CAT5, 2 m blue (DAL)
583483A	Patch cable CAT5, 3 m blue (DAL)
583703	Mounting set 1
583332	Overvoltage protection module for UIM-contacts undefined