VARIODYN ONE

Universal Interface Module – UIM

APPLICATION

The UIM (Universal Interface Module) serves as the interface module of the VARIODYN® ONE PAVA 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 Inputs/ Outputs
- 8 monitored contacts
- 2 Audio Inputs
- 2 Audio Outputs
- Connected to INC via DAL (Digital Audio Link) port
- Can connect up to 8 UIMs per INC- D controller

UIM SPECIFICATION

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
Color	Grey, similar to RAL 7016 approx.
Weight	7.22 kg
Dimensions (W x H x D)	483 x 44 x 345 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

MODEL NAME	PART NO.	DESCRIPTION
UIM Cable	583401.21	Cable for cabinet rear panel UIM

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VARIODYN ONE UIM - CWA | Rev1 | 03/21
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