

VARIODYN® D1 Power Amplifier

2 x 200 W, 2 x 300 W, 2 x 500 W

- **Integrated electronic protection against thermal overload and short-circuits during output.**
- **Temperature controlled ventilation**
- **Complies with IEC BS EN 60268-3, 55013, 55020 norms**
- **Control and monitoring via DOM**
- **Three models available:
2 x 200 W, 2 x 300 W, 2 x 500 W**



Application

The Power Amplifiers possess two independent amplifier channels and 100 V toroidal core output transformers and are compatible with the VARIODYN® D1 System. The power amplifiers are controlled and monitored by the VARIODYN® D1 modules DOM4-8 (Digital Output Module) and DOM4-24.

Connections

- Combined AF/control inputs
- Dual-channel 100 V output
- Mains supply

Indicators (per channel)

- Green POWER-LED
- Yellow malfunction/failure/error LED
- Green SIGNAL-LED
- Red CLIP-LED

AF/Control

The two AF inputs and the control input are connected to the VARIODYN® D1 DOM module via a cable (Part Number 583471.03).

100 V Outputs

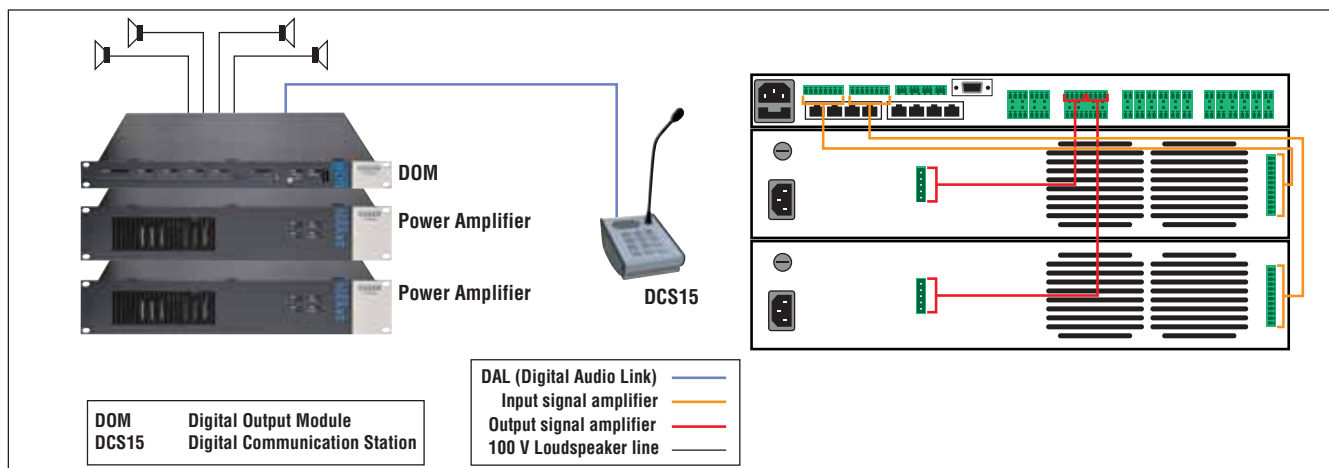
The symmetrical ungrounded 100 V outputs are available at the connector labeled "OUTPUT 100 V".

The two 100 V outputs are connected to the VARIODYN® D1 DOM module via a cable (Part Number 583476.02).

In the event that the included heat sink reaches a critical temperature, the relay load for this channel will be disconnected and then reconnected upon reaching a safe temperature.

Mains Supply

A European low power receptacle for mains supply connection, as well as a mains fuse are located on the back surface of the amplifier. A mains cable is supplied. The power amplifier can only be operated via a three-wire system feed with a protective ground wire.



System Overview / Power Amplifier 2 x 200 W to DOM4-24 Wiring

Technical Data

Type	2 x 200 W-D1	2 x 300 W-D1	2 x 500 W-D1
Rated power output (sin.)	2 x 200 W	2 x 300 W	2 x 500 W
Power consumption	5.2 A	6.1 A	9.9 A
Power consumption in Standby Mode	0 VA separated from mains supply	0 VA separated from mains supply	0 VA separated from mains supply
Weight	17 kg	19 kg	33 kg

General Technical Data

Nominal voltage	230 V AC
Nominal frequency	50 to 60 Hz, +10 %/-5 %
Functional operating principle	Class AB
Transmission frequency band (-3 dB)	50 Hz to 22 kHz
Signal-to-noise ratio, unweighted	> 105 dB
Harmonic distortion at full load	< 0.08 %
Channel separation	> 75 dB
Input level	+6 dB, at max. output voltage (100 V)
Input impedance	> 20 kΩ, homopolar
Ambient temperature during operation	-5 °C to +55 °C
Relative humidity	40 % to 90 %, no condensation
Casing colour	grey, similar to RAL 7016
Dimensions (W x H x D)	483 x 88 x 400 mm/2 HE, 19"

Order information

	Part No.
Power Amplifier 2 x 200 W	580212.03.ES
Power Amplifier 2 x 300 W	580213.03.ES
Power Amplifier 2 x 500 W	580214.03.ES
DOM-XV cable for amplifier audio input and remote control	583471.03
XV-DOM cable for amplifier and audio outputs	583476.02
Mounting kit 1	583703