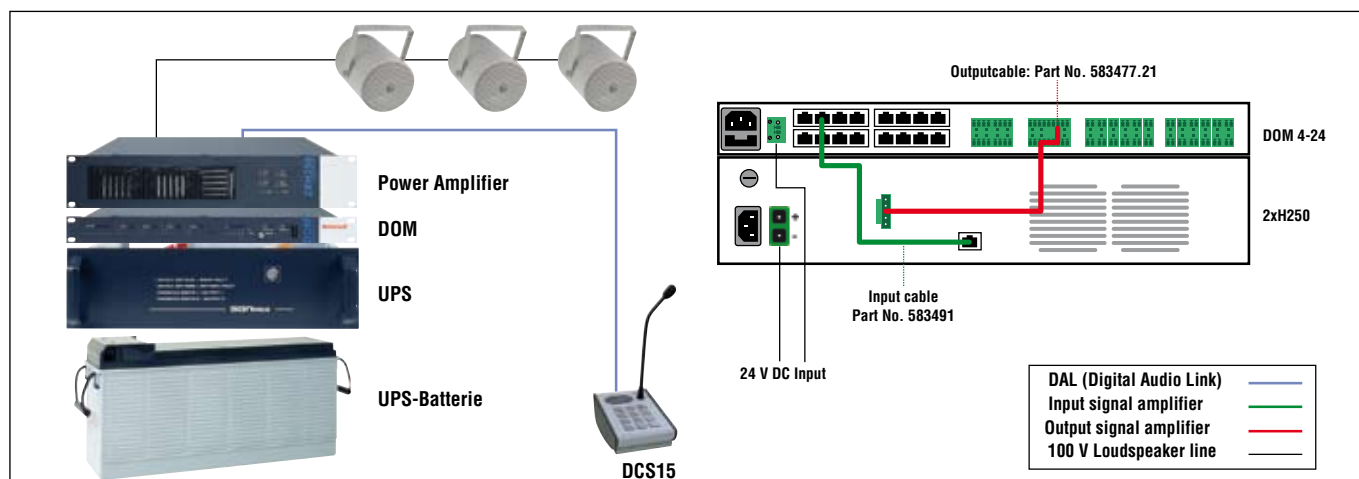




System Overview / Power Amplifier 2XH250 to DOM4-24 Wiring

Technical Data

Type	2XH250	2XH500
Rated power output (sin.)	2 x 250 W	2 x 500 W
Power consumption	5.2 A	9,9 A
Power consumption in Standby Mode	0 VA separated from mains supply	0 VA separated from mains supply
Weight	13 kg	14 kg

General Technical Data

Nominal voltage	230 V AC
Nominal frequency	50 to 60 Hz, +10 %/-5 %
Emergency power supply	24 V DC
Functional operating principle	Class H
Transmission frequency band (-1 dB)	20 Hz to 22 kHz
Signal-to-noise ratio, unweighted	> 101 dB
Harmonic distortion at full load / 1 k Hz	< 0.05 %
Channel separation	> 75 dB
Input impedance	> 10 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 (H x W x D)	88 x 484 x 382 mm/2 HE, 19"

Order information

	Part No.
Power Amplifier 2 x 250 W / 100 V	580221.41
Power Amplifier 2 x 500 W / 100 V	580222.41
Input cable DOM	583491
Output cable DOM (for 2 Amplifiers)	583477.21

VARIODYN® D1 Power Amplifier 2XH250, 2XH500, Class H

- **Power Amplifier, 2-channel, Class H, 100 V outputs**
- **Two models available: 2 x 250 W / 2 x 500 W**
- **Emergency power supply via 24 V DC**
- **Control and monitoring via DOM**
- **Integrated electronic protection against thermal overload and short-circuits during output**
- **Temperature controlled ventilation**



Application

The Power Amplifiers possess two independent amplifier channels 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 input
- Dual-channel 100 V output
- Mains supply
- 24 V DC emergency power supply input

LED indicators

- ERROR (per channel)
- POWER (per channel)
- CLIP (per channel)
- CHANNEL (per channel)
- DC POWER
- AC POWER

AF/Control

The two AF inputs and the control input are connected to the VARIODYN® D1 DOM module via a cable (Part Number 583491).

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 cable (Part Number 583477.21).

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 and Emergency power 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.

The 24 V DC emergency power supply is connected to the 2-way plug.