



# **Installation/ Commissioning Instructions for connecting 580252.HO with VARIODYN D1 DOM**

580252.HO amplifier supports 100V/70V audio output. When this amplifier is used for 70V audio output along with VARIODYN D1 system, following points should be noted

1. The DC fault LED will be always turned ON if 24V DC backup power is not connected.
2. The Power (nominal) value in the command "**implst**" output calculates and displays according to the 100V audio output due to IEC 60268. Theoratically, in the case of the same impedance value of the speaker, 70V input speaker power is nearly half of 100V output power. Please note that we are using mixed frequencys for this measurement and therefore the values can be different from a pure IEC 60268 value. This is a internal reference value only and gives a maintenance engineer a hint for the real value at 100V output.
3. Set the line monitoring mode to "**Measure without audio signal only**" in designer if no VA function required. Note that during announcemets (background music) NO measurements are done then.
4. In order to get a good quality audio output, the input audio level have better less than 0.775V. This is 0dB(U). Audio Files in adp Format will be normalized for the SCU and ETCS to this Level.
5. The "**Highpass**" function in "**DOM ->Audio properties**" in designer have to be activated at a -3dB Frequency of XXXHz.
6. Use the locally standard power cable to make sure the DOM and amplifier are connecting to the earth successfully.



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