



POWERHOUSE DISTRIBUTIONS

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Equalizer

DESCRIPTION:

The EQUALIZER is designed to protect dedicated earthing systems used for electronic systems, from noise contamination. The unit is connected between the dedicated earth and the raw mains earth, and maintains equal potential between the two earths. Noise suppression and maintaining equal potentials are critical to prevent damage to sensitive instrumentation and control equipment where a dedicated earth is required, particularly those situated in industrial environments. The EQUALIZER is designed so that in the case of a sudden and serious rise in potential in one of the earthing systems, due to perhaps a lightning strike, the unit will activate, creating a low impedance path between the two earthing systems for the duration of the overvoltage. In its normal state the unit continuously inhibits noise contamination between the two earths.

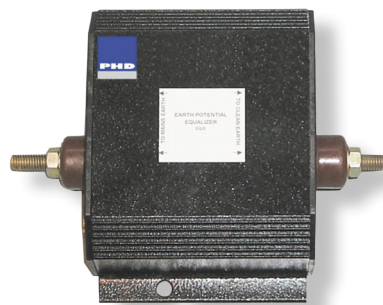
SPECIFICATIONS:

Normal Conditions

DC Resistance (Max.) : <1Ω
Continuous Current (Max.) : 5A
Noise Attenuation @ 50Hz : 17dB
Noise Attenuation @ 10KHz : 64dB
Noise Attenuation @ 200KHz : 108dB
Noise Attenuation @ 10MHz : 57dB

Transient/Surge Conditions

Current Withstand @ 8/20uS (Max.) : >5kA
Clamping Voltage : 110V
Response Time : <25ns



Models

PE/1	Earth potential equalizer and suppressor
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