

Installation Instructions for DS210..DC Surge Protector

Application

CITEL DS210..DC Surge Protectors have been designed to protect electrical switchboard equipment that is supplied with DC voltage against transients generated by lightning or your industrial environment.

Installation:

- DS210..DC Surge Protectors are designed to protect DC Power lines.
- The selection of the right type is done in relation with the voltage network (from 12 VDC to 110VDC)
- DS210..DC Surge Protectors have to be installed at the electrical switchboard downstream from the circuit breaker/fuses.
- DS210..DC must be connected to the line through fuses (see characteristics and Installation diagram)
- DS210D Surge Protector must be connected between + and 0V and the Protective Wire (PE).
- Cabling between Line (or 0V) and the bonding bar must be as short as possible (1.64 FT max).
- Non protected cables must not be installed in parallel with the protected cables (to avoid coupling).
- Green indicator for voltage and protection status must be switched on.

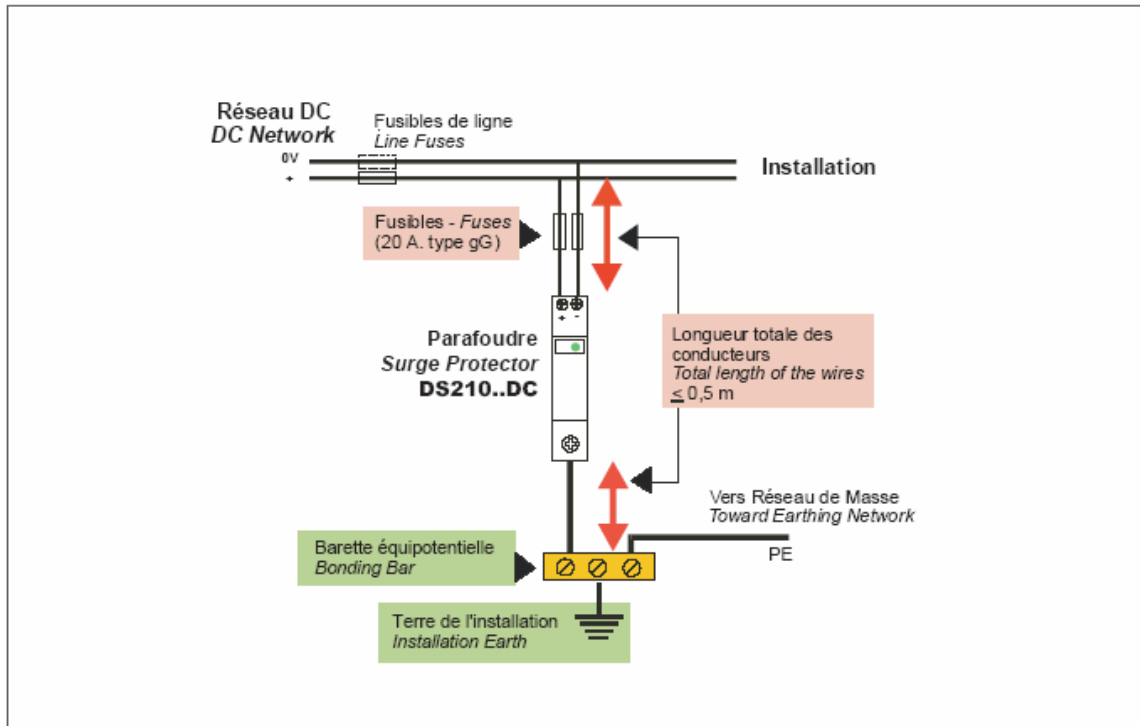
Bonding network connection:

- The surge protector's Ground Wire must be linked to the bonding bar of the switchboard.
- Parallel connection with other cables must be avoided.
- Line Conductors AWG: 10 AWG to 16 AWG
- The Ground Wire AWG: Recommended 10 AWG to 12 AWG
- The earth resistance value of the installation must be in accordance with the current electrical rules.

Maintenance:

- DS210..DC Surge Protectors are maintenance free. Nevertheless, they have an internal thermal security which will be activated only in exceptional conditions (ex: overheating caused by a long duration over voltage without any effect on breakers/fuses of the installation...) in these cases:
 - The surge protector will be disconnected from the line.
 - The green indicator will be switched off.
- The user will have to replace the removable module (p/n DSM210..DC).

Installation



Dimensions et Schéma - Dimensions and Diagram

