

Discharges counter for transient overvoltages

Control for the working overvoltage protection

The discharges counter for transient overvoltages, CDI-250, is an equipment designed to count discharges that passes by the overvoltage protectors that are connected in electric lines. These discharges go through this counter and they are registered and showed in the display that it has.

As it is well known, protectors way of working is to discharge the energy produced by an overvoltage to the earth of the system, these peaks are produced by means of storms or switches that come from the main surge.

This counter has an initial value of counting current of 300A(800A,1500A,2000A), and a maximum value counted is 100kA with a standard wave current of 8/20.

Preventive maintenance

By means of this discharge counter CDI-250 it can be known the number of discharges realized for the protectors.

The maintenance that is recommended for an over voltage protection system consist in test visually if the indicator is red or not. If the indicator shows that protector has worked it must be substituted, but it could be possible that protector has discharge overvoltages and is still working because the overvoltages have not been highly enough to destroy it completely. In this case is useful to have a counter installed aiming at knowing exactly the times the protection system has worked in our installation.



Easy to install.

The counter CDI-250 is easy to install It is manufactured in DIN format and also can be installed on a flat surface by means of two screws. The earth conductor is passed by the central hole of the counter before being connected to the earth.

The counter proceeds to detect the amount of energy discharged to earth and increases in one unit the value showed at the display.

No power supply required.

CDI -250 does not require any power supply, neither external nor internal (batteries, for example). It provides a high level of autonomy for this equipment.

Technical Features

Code	779 200
Model	CDI-250
Minimum working discharge to start counting	250A 、 800A 、 1500A 、 2000A
Maximum counting discharge	100KA
Countin range	0...9999
Maximum diameter or the eart conductor	25 mm
Degree of protection provide by the enclosure	IP 66
Temperature range	-5...+50°C
Dimmensions	70 x 85 x 70 mm
Weight	90 gr