

IEEE Standard Inverse-Time Characteristic Equations for Overcurrent Relays

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**Power System Relaying Committee
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IEEE Power Engineering Society**

*Reaffirmed 24 August 2007
Approved 27 1997*

American National Standards Institute

*Reaffirmed 5 March 2007
Approved 19 September 1996*

IEEE Standards Board

Abstract: The inverse-time characteristics of overcurrent relays are defined in this standard. Operating equations and allowances are provided in the standard. The standard defines an integral equation for microprocessor relays that ensures coordination not only in the case of constant current input but for any current condition of varying magnitude. Electromechanical inverse-time overcurrent relay reset characteristics are defined in the event that designers of microprocessor based relays and computer relays want to match the reset characteristics of the electromechanical relays.

Keywords: inverse-time characteristics, overcurrent relays

Ieee Standard Inverse Time Characteristic Equations For Overcurrent Relays

RC Schank



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