

The basic provisions on the modeling of relay protection and automation algorithms in the Simulink software package are presented.

In this paper, a digital multi-function protective relay was designed and implemented on MATLAB/Simulink. In this study we also explore some current techniques ranging from the use of ...

The Protection Relay block implements a protection relay for the hardware and the motor with definite minimum time (DMT) trip characteristics using the reference limit, feedback, and reset input signals.

Abstract - This project describes modeling of distance relay and zone protection scheme using Matlab/Simulink package. SimPowerSystem toolbox was used for detailed modeling of distance ...

The multi-function relay was implemented to work on a single phase. The setting of the multi-function relay configuration done using a new design ...

In this article, the authors present new models of protection that allow to simulate the overcurrent relay (51), instantaneous overcurrent relay (50) and differential relay (87) by using ...

In this work, modelling and simulation of a radial system with an over-current relay protection scheme are done using the MATLAB/Simulink software. One of a protective relay's main characteristics is its ...

The multi-function relay was implemented to work on a single phase. The setting of the multi-function relay configuration done using a new design based on the MATLAB GUI environment.

Recently, significant effort has been put on developing both transient-based and phasor-based models of protective relays . This paper presents new SIMULINK libraries de-veloped for modeling, ...

The proposed algorithm for relay protection of a transformer, based on fuzzy logic and analysis of harmonic components of the magnetizing current, is a significant step towards improving the ...

In this paper, the directional current protection simulation system based on microcomputer protection model is built, and the changes of voltage, current and action signal are demonstrated through GUI ...

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