

# Relay protection setting is infinite



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It really depends on how the relay is configured and programmed to trip. Depending on the relay type, auto-resets are possible, but they must be explicitly accounted for in the logic.



The relay must be able to discriminate (select) between those conditions for which prompt operation is required and those for which no operation, or time delayed operation is required.



Abstract: Information on the concepts of protection of ac transmission lines is presented in this guide. Applications of the concepts to accepted transmission line-protection schemes are also presented.



Plug Setting Multiplier (PSM) indicates how many times the determined relay secondary current (typically the CT secondary) exceeds the relay pickup (plug) current.



As the protected components of the electrical systems have changed in size, configuration and their critical roles in the power system supply, some protection aspects need to be revisited (i.e. the use of ...



For three-terminal lines where the remote station has no breaker-failure protection, set the relay to reach 110% of the sum of the protected line impedance with infeed and the remote line impedance with the ...



Fundamental concepts and terminology will be taught using the electromechanical overcurrent relay as a foundation and then these concepts will be expanded to modern numerical relays.



For example, unselective protection operation during a medium voltage network fault will cause an outage for an unnecessarily large number of consumers. While this is bad, it's not a complete disaster.



If the relay settings are too sensitive and not selective enough, a fault on one line might cause relays on neighboring, healthy lines to operate as well. This is called a false trip or a sympathetic trip, and it ...



In this paper, we discuss the need to maximize motor usage and illustrate steps needed to set the trip and reset settings for motor thermal protection. The time to reset after a normal stop, overload, or trip ...

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