



Programmable Fault Path Indicator for Power Distribution Networks

Narendra De Silva, Sisil Kumarawadu , Selvarasa A., Ratnayaka S.R.M.C.D., Ranawaka D.M.D.,
Kankanamge T.N.

Abstract

The increase in electricity demand and expansion of transmission and distribution system is leading to a more complex electrical network. As a result of complex networks, fault identification takes a longer time posing a disadvantage to both the utility and the consumer. The design of fault path indicator gives the fast indication of faults. The main objective is to identify and indicate the faulty segments of 11 kV overhead line distribution systems and inform the relevant people for fault clearance effectively and immediately. Fault path indicator is a flexible device and can be adapted to any network condition. The device indicates the fault condition in itself and notifies the central monitoring center.



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