

## REL 512

*The REL 512 model supports:*

- 3 mho trip zone for the phase loops and 3 mho zones for the ground loops
- the first zone ground polygonal zone
- one pilot forward (FWP ) and one pilot reverse (RVP) zone
- directional element (phase, ground and negative sequence element)
- the phase overcurrent elements (one inverse characteristic element(toc), 3 time defined elements (ioc))
- the ground overcurrent elements(one inverse characteristic element(toc), 3 time defined elements (ioc))
- the negative sequence overcurrent elements(one inverse characteristic element(toc), 2 time defined elements (ioc))

*Unsupported features:*

- single phase trip
- overcurrent elements directional characteristic controlled by the 2<sup>nd</sup> zone
- automatic reclosing and synchronizing feature
- breaker failure protection
- out of step logic
- directional minimum sensitivity in volt-amperes (a minimum sensitivity of 0.1)

*Data entry notes:*

- the relay element is duplicated in the model. The user must insert the same data both in the "MS 50 P starting" block and in the "MS 50 P" block

*Release notes:*

23.05.2005 model creation