

GAD Relay Series

The modelled GAD relay series covers the complete known range of relays. The model also allows for separate earth fault CT inputs if required. For the directional relay, two separate VT's are required: one secondary Y and one with secondary O connection for the zero sequence voltage.

Not Modelled Functionalities

However, these relays are equipped with Delayed Auto Reclose Logic (DARL) that was not modelled. This functionality includes adjustable 0 to 4 reclosures to lockout; each 1 to 5 trips separately programmable for instantaneous or IDMTL protection; adjustable dead times per shot. Disengaging times include algorithm to mimic electro-mechanical relays down stream (when relay GAD did not trip), but also has fast disengaging time after a trip.

This relay also has a line check trip which is selectable for IDMTL or instantaneous operation of protection when putting line into service. This operation would also block auto-reclose.