DLPD

The GE DLPD model supports:

- 4 mho trip zone for the phase loops and 4 mho zones for the ground loops (the 4th phase and ground zone is an offset mho). Separated polarizing blocks for zone 1 and for zone 2-3-4 to model the K0 and the Z1K0 relay setting.
- Overcurrent backup (phase IOC (PH4 block), ground IOC (IDT block) and TOC (TOC block))
- Line pickup (LPU block)
- Line overload (LOVL1 block and LOVL2 block)
- Directional element (for the ground elements)

Unsupported features:

- Ground reactance distance functions (zone 1)
- Potential Transformer fuse failure
- Out of step logic
- Zone 1 reach reset timer
- Line pickup timer bypass
- Ground Pilot Trip Overcurrent
- Ground Pilot Block Overcurrent
- Single phase tripping
- Kd factor in the IDT element

Data entry notes:

- The relay angle is available in any impedance block (Z1MhoGrnd,Z1MhoPhase, Z2MhoGrnd etc) but in the relay the value is unique. The Relay POSANG and ZEROANG values must be inserted in the mho phase and ground "relay angle" variables (POSANG in the phase mho blocks and ZEROANG in the ground mho blocks)
- In the "Polarizing" block and in the "Polarizing Z1" block the "Angle" edit box ("phik0" variable) must contain the angle difference between the positive sequence line impedance angle and zero sequence line impedance angle. This value doesn't have direct relationship with any relay setting but must be inserted to represent the compensation performed internally by the relay.