

Alstom Quadramho

The model simulate the Quadramho relay in most of its features. Both the mho and the poygonal distance zones are available. The mho zones are implemented using different block for the ph-ph and the ph-ground loops.

The directional ground overcurrent element is also available in the model.

Not supported features

- Voltage transformer supply supervision
- Power swing detector/blocking
- Single phase tripping
- Schemes (acceleration, Z1 extension etc)
- Partial (16%) sound phase cross-polarizing.
- Fuse failure
- Switch on to fault system

Data input notes:

- The “coarse” settings (range 0.2-4.8 Ohm step 0.2 for the 1amps models) and the “ fine” settings (1-9.98 Ohm step 0.1) are not directly available. The overall impedance value must be calculated and inserted in the mho “replica impedance” setting.
- In the model the “Time delays” values are duplicated in separated blocks for the phase and the ground trip blocks.
- The ranges available in the models are supporting the whole value ranges that the user can set using the device potentiometers but the

Note: the only document available during the model creation is the R5580E.pdf