

### GC-04 : SE-105 & SE-107 TESTS

The following tests are for a resistance-grounded system utilizing an SE-TA6 termination device. Set the GF switch to the correct trip level and the MODE switch to UV.

#### 5.6-V Zener-Diode Test

The zener diode is tested as a stand-alone unit. Most multimeters have a quick diode-test function. In the forward-biased direction, the diode-test should read ~0.6 V. In the reverse-biased direction, the diode-test should read OPEN.

#### Ground-Check Trip Test

Connect the SE-105/SE-107 and termination device as shown in Figure 1. The ground-check LED should be on. Open-circuit the termination device, the ground-check LED should be off. Connect the termination device; the ground-check LED should be on. Short the termination device; the ground-check LED should be off.

#### Ground-Fault Trip Test

The GF trip level on the SE-105/SE-107 refers to the current through the primary of the CT200 or CT200L. The SE-105/SE-107 ground-fault trip level is calibrated for use with the CT200 or CT200L and compensates for CT non-linearity.

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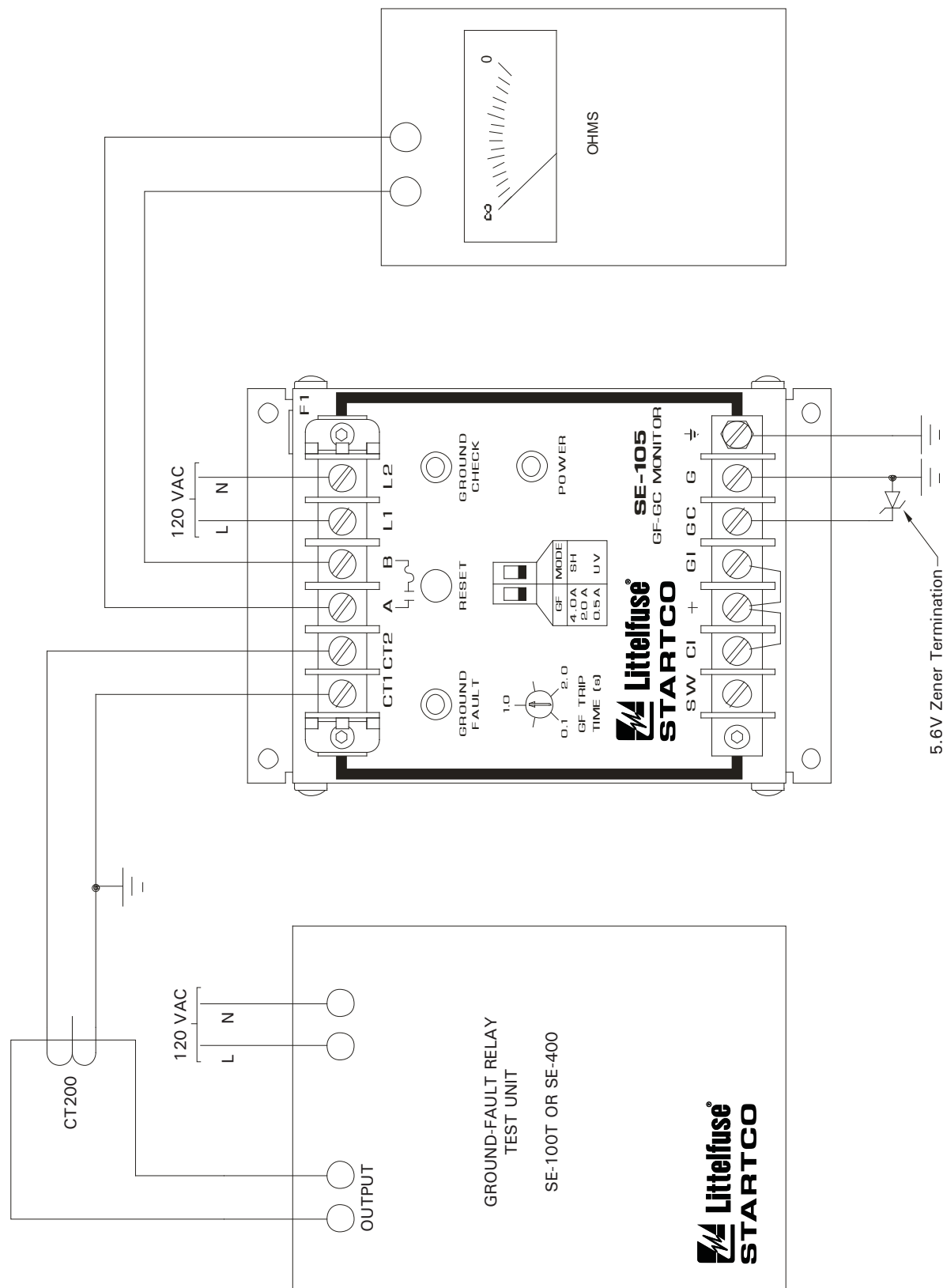


Figure 1