

TECHNICAL DATA

Injection Current

8 mA rms to 2820 mA rms current accuracy:
 ± 5% for $I \leq 20$ mA rms
 ± 2% for $I > 20$ mA rms

Maximum Injection Duration

—Infinite if $I < 120$ mA rms (set the duration thumb wheels to 9999.99)
 —600 msec. if $I \geq 1200$ mA rms
 —Proportional to I^2 rms for 120 mA rms $< I < 1200$ mA rms
 Time setting accuracy: ± 1%

Input Power

—110 Vac position: 100 Vac (–20%) to 127 Vac (+15%)
 —220 Vac position: 200 Vac (–20%) to 240 Vac (+15%)
 —Frequency range: 50 to 60 Hz

Fuse Type

—24 V=: 250 V–200 mA
 —Mains : 250 V–630 mA

CHECKING TEST KIT PERFORMANCE

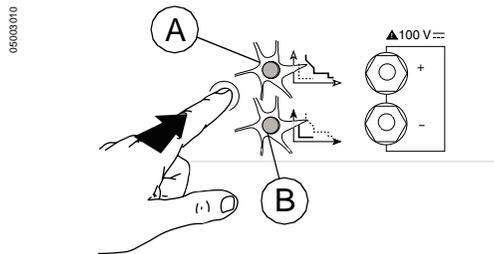


Figure 4: Connecting Power Supply

CAUTION

HAZARD OF INVALID READING

Use an ammeter capable of measuring the rms values of a rectified full-wave sinusoidal ac current.

Failure to follow this instruction can result in inaccurate test results.

1. Make sure that both LED1 (A) and LED2 (B) are on.
2. Measure output voltage of the 24 V outlet using an accurate voltmeter. Record the voltage in the column marked 24 V in Table 2.
3. Connect an ammeter in series with a 10 Ω 3 W or higher resistor and the current outlets on the trip unit. Set the time duration thumb wheels to 100.00 seconds. Set the injection current thumb wheels to 100 mA.
4. Press the start button and check that the current set by the injection current thumb wheels corresponds to the value on the ammeter. Record the current reading in the column marked "Current Reading" in Table 2.
5. Press the stop button.
6. Set the time duration thumb wheels to 100.00 seconds. Set the injection current thumb wheels to 1000 mA.
7. Press the start button and compare the reading of the tripping time display using an accurate timer. Record the readings in the column marked "Timer Reading" in Table 2.