

◀ FAULT FINDER ▶



◀ FIRST-TIME SETUP

The Fault Finder needs to be set for either positive **kV+** or negative **kV-** polarity voltage pulses from the energizer.

1. Go close to where the energizer leadout wires connect to the main fence.
2. Hook the Fault Finder wire location slot onto an un-insulated section of the live leadout wire and press ①.

If the current direction arrow points away from the energizer the polarity setting is correct and no further adjustment is required.

If the current direction arrow points back towards the energizer then the polarity setting of the Fault Finder must be changed.

3. Do this by first moving the Fault Finder away from the fence so that no fence pulse can be detected.
4. Press and hold ②. Either **kV+** or **kV-** will be displayed. After 10 seconds the Fault Finder will beep and 🎵 will change. After 5 more seconds, another beep and **kV+** or **kV-** will change. (The 🎵 will also reset to what it was.)
5. Hold the wire location slot onto the fence wire and press ③. The current direction arrow will now point away from the energizer.

For another fence that is powered by a different type of energizer, you must check the polarity again.

◀ USING THE FAULT FINDER

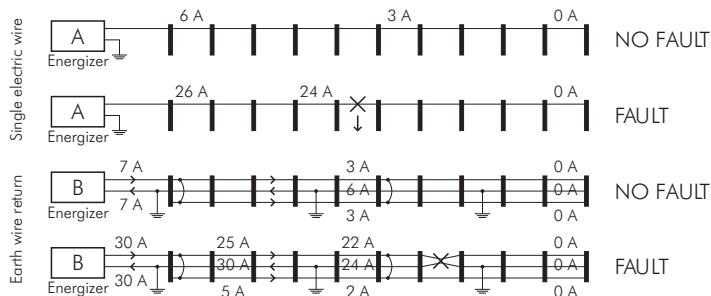
1. Start close to where the energizer leadout wires connect to the fence, and hook the wire location slot onto the fence wire.
2. Keep a firm contact and press ④.
3. Note the current reading.
4. Work down the fence line and take readings at regular intervals and at any junction points. The previous current reading shows briefly in the top right of the screen for comparison. At a junction, follow the branch with the abnormally high or low reading.

After using the Fault Finder several times, you will come to know the normal current and voltage readings around the farm.

5. If the current reading falls suddenly along a fence branch, there is probably a fault between this and the last reading. Retrace to find the fault.

Current readings higher than normal indicate fence short-circuits. Lower than normal readings may mean a poor connection or fence break.

On an earth wire return fence (example B below), readings taken on the earth wire show the current going back to the energizer at low voltage.



◀ HOW IT WORKS

Current flows through the path of least resistance. If the fence has a short-circuit, more current will flow. Large flows of current load the energizer and fence, causing lower voltage readings.

Use the Fault Finder to detect where the current is flowing, and locate the current 'leaks' in the fence system. Fixing the leaks raises the voltage in the fence, giving it more shock power.

◀ CARE

Do not leave the Fault Finder in direct sunlight like on a vehicle dashboard. Clean the Fault Finder only with a damp cloth.

If the Fault Finder gets wet, wipe it dry and place face down to allow any water to run out of the speaker grill. The Fault Finder is water resistant and should require no further attention.

◀ READING THE DISPLAY

An arrow shows the direction of current flow for currents over 1 amp (1 A).

Follow the current flow around the fence using the current direction arrows. A large drop in the reading indicates that you have gone past a fault.

The last current reading will be displayed briefly in the top right of the screen before changing to the fence voltage.

◀ VOLTAGE PROBE

Press the voltage probe against an energizer terminal to view the voltage. Note, when used in close proximity to an energizer or cell phone, the current reading may be incorrect.

◀ SOUND 🎵

When the sound is turned on, the Fault Finder will beep at every fence pulse. The number of beeps and the pitch indicate the size of the current pulse. This can be particularly useful when measuring the currents in different branches at a junction point and when not able to see the display.

To switch the audio current indicator on or off:

1. Move the Fault Finder well away from the fence so that no fence pulse can be detected.
2. Press and hold **⏻**. Either **kV+** or **kV-** will be displayed. After 10 seconds the Fault Finder will beep and 🎵 will change. Release **⏻** immediately after 🎵 changes.

◀ BATTERY 🔋

When 🔋 flashes, the battery in the Fault Finder will soon need replacing. When 🔋 displays, the battery is flat and needs replacing with a new 9 V battery.

Replacing the battery

1. Remove all 5 screws from the case back.
2. Unclip the old battery and replace with a new 9 V battery.
3. Replace the case back and all 5 screws, taking care not to trap the battery leads under the screws.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



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