

**SPERRY
INSTRUMENTS**

ET4220L

LAN-Tracker™

Read this owners manual thoroughly before use and save.

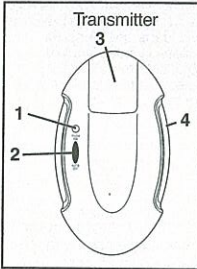
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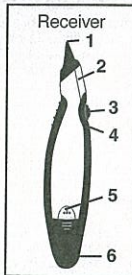
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- 1) On LED
- 2) On-OFF Switch
- 3) Receiver Storage
- 4) Belt Clip



- 1) Sensing Tip
- 2) LED Indicator
- 3) Adjustable Sensitivity
- 4) On-OFF Switch
- 5) Speaker
- 6) Battery Compartment

WIRE TRACING

The LAN Tracker™ (ET4220L) is designed to trace a variety of unenergized wires. Each unit comes with a transmitter and a receiver. Under perfect conditions, the receiver will function up to 12' from the wire being traced.

TRANSMITTER

The transmitter contains five (5) adapters for connection to common wiring applications.

To access the adapters, open the back of the transmitter. All five plugs are contained in individual slots. During use, the appropriate plug can be pulled out of the slot, and the cover closed. The On/Off button is located on the front of the housing. To activate the unit, press this button once. The LED will blink, indicating that a signal is being transmitted. The unit can be turned off by pressing this button again. To conserve battery life, the unit will turn itself off after 30 minutes.

RECEIVER

The receiver can be placed in the front slot of the transmitter for easy storage. The unit contains an On/Off button on the top, located behind the sensitivity wheel. To activate the receiver, press and hold this button. The unit is now locating the signal. Bring the unit near the wire being traced. If this is the correct wire, an audible "warbling" tone will be heard, and the LED will increase in brightness. Use the sensitivity wheel to adjust the sensing range.

TRACING WIRING

⚠WARNING Electric Shock Hazard. Trace only unenergized wiring. Contact with live circuits can result in severe injury or death. Always disconnect power to the circuit prior to using the LAN Tracker™.

Open the back of the transmitter and select the appropriate plug or clip for the wiring being traced. Fold the plug or clip out and close the housing door. Connect the transmitter to the wiring and press the On/Off button to activate. Activate the receiver by depressing the On/Off button and continuing to hold down. Bring the receiver near the transmitter and check for the audible and visual signals. This verifies that both units are functioning properly. Trace wiring by following the audible and visual signals that the receiver is producing.

TRACING TELEPHONE WIRING

To prevent interference, disconnect the house line from the main telephone company service. This can be done by locating the junction box where the house is connected to the telephone company wiring. Remove any connections from the house to this box, making sure to note the proper location of each wire for later reconnection. Use the RJ-11 (telephone) plug for insertion into a standard telephone jack. Trace the wiring as described above. To enhance the signal strength and increase the operating range of the receiver, the black alligator clip may be connected to an external equipment ground. This will greatly increase the functional range of the receiver.

TRACING COAX WIRING

To prevent interference, disconnect the cable in the house from the cable company wiring. This connection can be found where the main cable enters the house. Connect the co-axial plug to any co-axial jack in the house. Trace the wiring as described above.

TRACING DATA/LAN WIRING

To prevent interference, remove all connections from the data network to any outside source. Use the RJ-45 (data) plug for insertion into a standard data/LAN jack. Trace the wiring as described above. You may notice that the receiver must be contacting the LAN wire and is stronger along one side of the wire. This is normal and is due to the physical properties of the LAN cable, which is designed to prevent interference from external signals.

TRACING OTHER UNENERGIZED WIRING

Make sure all wiring is disconnected from any power source. To trace a single wire, connect the red lead alligator clip to the wire to be traced. To boost the signal, connect the black lead alligator clip to a suitable ground. Two wires can be traced at the same time by connecting one alligator clip to each wire; however, the signal will not be as strong as it is while tracing a single wire with the black alligator clip connected to ground. Trace the wiring as described above.

BATTERY REPLACEMENT

The Transmitter uses two (2) AAA batteries. To replace them, open the transmitter case and identify the battery compartment on the left. Remove the cover and replace the batteries, noting the polarity shown on the cover. The Receiver uses four (4) button cell batteries (LR44). To replace them, locate the battery cover at the back of the tester. Push the cover off to expose the batteries. Replace with new batteries, noting the polarity shown in the battery compartment.