

ADVANTAGE

ADV1017/ADV1027 Lan Mapper

The ADV1017/ADV1027 is a hand-held device designed and intended for LAN and PHONE installers who test multi-run lan/phone systems, or those who wish to map runs to a central bundle. It can be used to put a tone signal on a lan/phone cable. With 8 remote identifiers for ADV1017 and 16 remote identifiers for ADV1027, it is ideal for mapping LAN/PHONE installations.



Remote ID LEDs:

An ID Number LED will light for the identifier found.

Status LEDs:

The "TESTING" LED flashes briefly during each test. The "TONE ON" LED will flash while tone is being sent to the center conductor. Auto power-off after approximately 30 minutes.

Test Results LEDs:

These units check point to point wiring so that the installer can easily determine whether the cable pairs, 1/2, 3/6, 4/5, 7/8, are wired correctly at both ends. The unit indicates Green for "Pass", Red for "Fail", Yellow for "Reverse" and Dark for "Open".

Over Voltage LED:

If voltage is detected this LED will light. NOTE: DISCONNECT IMMEDIATELY!

GND LED:

This LED indicates Ground wire connected for LAN cable.

Low Battery LED:

This LED indicates low battery when flashing.

TEST/HOLD FOR TONE Button:

Press button and release when ready to test a cable. Results are displayed for 10 seconds before auto-off. To enter tone mode, simply press and hold button until "TONE ON" LED lights. A second press will turn off the tone mode.

NOTE: The ADV1017/ADV1027 will not test cable runs with AC or DC voltage present. Additionally it will not test through amplifiers, DC blocking devices or isolation splitters.

Operation:

The ADV1017 consists of the master unit and eight remote identifiers. The IDs are marked on the identifiers. This device is used to test LAN cable with RJ45 connector and PHONE cable with RJ11 connector. The device is connected to one end of the testing cable and the remote identifiers are connected to the other end of the testing cables.

If there is voltage present, the "VOLTAGE!" light will turn on. Disconnect the device from the live line and remove the source of the voltage from the testing cable before further testing.

With the device and the remote identifiers connected, push the "TEST" button. The "TESTING" LED will flash quickly and the test is performed. The remote(s) ID will be lighted and each pairs test results will be lighted.

There are four faults that can be tested on each pair: Overvoltage, Open, Short, Reversed pair.

By analysis, test results for each pair can help find more faults as: Crossed pair, Split pair, Transposed pair, and Double split pair.

NOTE: If a short is found, the short must be cleared before testing may continue.

To put tone on a cable, simply push and hold down the "TEST" button until the "TONE" LED lights. The device is now transmitting tone on the cable. The "TONE" LED will flash indicating that the tone mode is on. Tone mode will automatically shut off after approximately 30 minutes. To exit the tone mode, push the "TEST" button once. The "TONE" LED will turn off.

Voltage Present Detection:

A positive voltage on the pair will cause the "VOLTAGE!" LED to light. Remove identifiers from the line and remove the source of voltage from testing cable before doing any further testing.

Battery Low Light:

When the "LOW BAT" LED flashes, it indicates low battery charge. Replace battery promptly to ensure proper operation of the device.

Battery Replacement:

The device is powered by a 6 volt A544 1/2AA size battery.

1. Remove screw from back of device using a #1 Phillips screwdriver.
2. Remove old battery and dispose of properly.
3. Install new battery, observing proper polarity.
5. Close unit and replace screw, being careful not to overtighten the screw.

SPECIFICATIONS:

Dimensions 3-1/4" x 2" x 1-1/4"

Weight: 4 oz (with battery)

Auto Power Off: 12 seconds after Pass/Fail results

30 minutes in "Tone" mode

Minimum cable length for testing: 0ft

Maximum cable length for testing: 3000ft

Maximum DC cable resistance (Shield + Center Conductor): 100 ohms