OPERATION:

CABLE TEST MODE
Normal: Place the switch in the CABLE position and connect the cable to be tested between an IN and OUT socket on the DCT-9*. The NUMERIC READOUT will show that it is cycling through and testing each connection. The readout will stop and flash the number of the first detected open connection. Therefore, if you are testing a two-conductor cable, the readout should stop on the number 3. If the readout stops before the number 3, then that conductor in the two-conductor cable is open (See CONNECTOR LEGEND). Similarly, if you are testing a 3, 5 or 8 conductor cable, the connections are good if the readout stops on one number higher than the number of conductors in the cable. With a good 8 conductor cable, the tester will continuously cycle through all the connections. The LED should remain OFF.

**** IMPORTANT: When testing a cable with different connectors on each end, be sure to connect between an output jack for one end and an input jack for the other end.***

Cross-Wired: When two pins are cross-wired, the connections involved will be alternately displayed in the numeric display window and the LED will flash. For example, if connections 1 and 3 are cross-wired, the display will toggle between the numbers 1 and 3. If there is more than one cross-wired pair, the readout will only display the first detected cross-wired pair.

Short-Circuit: When two connections are short-circuited, the LED illuminates steady ON and the connections involved will be alternately displayed in the numeric display window. . If there is more than one short-circuited pair, the readout will only display the first detected short-circuited pair.

TEST TONE MODE
In this mode, the DCT-9 will output a square wave tone at a frequency of 440 Hz or 1 kHz between the 1st and 2nd pin of any output port. Press the button to toggle between the two frequencies. The LED will be OFF to indicate 440 Hz and will be ON to indicate 1 kHz. In this mode, the NUMERIC READOUT will show a flashing dot in the lower right hand corner.

The output level of the tone can be adjusted with the LEVEL SWITCH to +.7 dB, -10 dB or -35 dB.

CAUTION! The DCT-9 generates approximately 3 Volts DC when in the CABLE TEST MODE. Do not switch to the CABLE TEST MODE from the TEST TONE MODE while the DCT-9 is plugged into equipment inputs.

AUTO POWER STANDBY
The DCT-9 will automatically power off after about 4 minutes of inactivity. Reactivate the unit by pressing the button or turning the MAIN SWITCH to the OFF position and back to the TEST TONE or CABLE position.

POWER
The DCT-9 is powered by two AA batteries that are accessible through a door on the rear of the unit.

PANEL DESCRIPTION:

MAIN SWITCH
CABLE: Cable Test Mode
TEST TONE: Test Tone Generating Mode
OFF: Power to DCT-9 is turned off

PUSH BUTTON
In Cable Test Mode, resets DCT-9 and begins another test cycle.
In Test Tone Generating Mode: Selects 1 kHz or 440 Hz tone frequencies

LED
In Cable Test Mode, this LED flashes when cross-wired pairs are encountered and remains steady ON indicates shorted conductors. In Test Tone Generating Mode, ON indicates a tone frequency of 1 kHz, OFF indicates a tone frequency of 440 Hz.

LEVEL SWITCH
Selects tone output levels of +.7 dB, -10 dB or 35 dB.

NUMERIC READOUT
Indicates the connection being tested within the cable. If a cross-wired pair is detected, the readout numbers will alternate between two numbers, indicating the connections involved.

WARRANTY

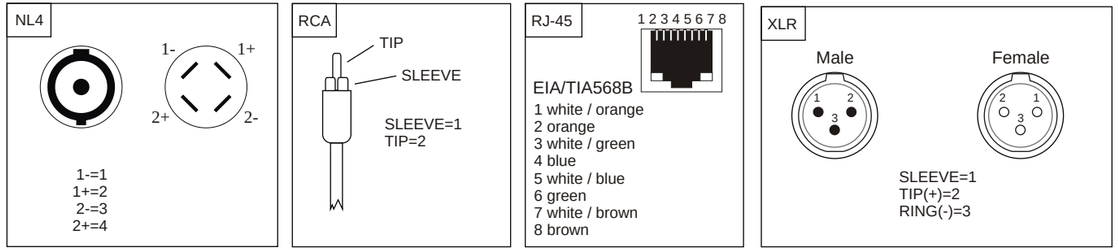
This product is guaranteed to be free from defects in materials and workmanship to the original purchaser for a period of 1 year from the date of purchase. Should service be required, return the unit postage prepaid along with the original sales receipt to:

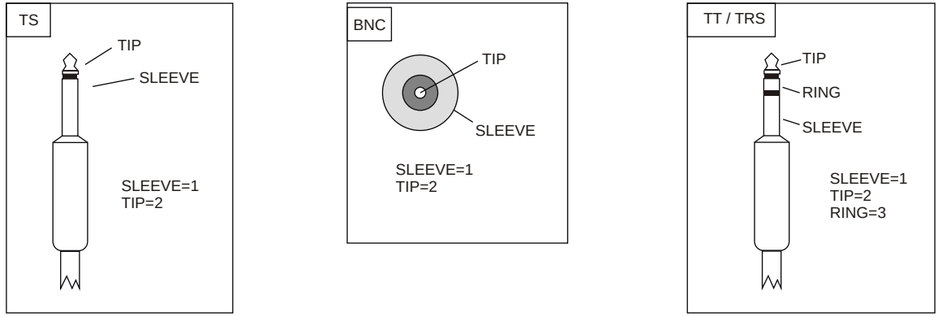
whirlwind
Attention - Repair
99 Ling Road
Rochester, New York 14612

The warranty on this product shall not apply to defects or damage resulting from abuse, abnormal use or from repairs or modifications performed by anyone other than whirlwind. If it is determined a manufacturing defect has occurred, whirlwind will repair or replace the unit at our option and pay the postage back to you.

CONNECTOR LEGEND

The following diagrams illustrate the contact numeric designations for the various connectors that can be tested by the DCT-9.





Whirlwind
99 Ling Road - Rochester, NY 14612
800-733-9473 / 585-663-8820 Fax: 585-865-8930
Website: http://www.whirlwindusa.com
Email: sales@whirlwindusa.com

DCT-9

digital cable tester

The DCT-9 cable tester is a fast and accurate way to automatically test many varieties of cables. The digital test program analyzes cables for correct wiring and displays any faults on the numeric display. A built in test tone oscillator generates 440 Hz and 1 kHz tones for basic signal path tracing.

FEATURES

- Hands free automatic testing
- Indicates several fault types including shorts, opens and crosswired conductors
- Wide variety of connectors allows testing of many cable types with a single tester
- Automatic shutoff preserves battery life

connect
By: whirlwind