



## CT-8 Cable Tester Installation Instructions

**!** *The CT-8 cable tester is designed to be used by qualified personnel only. CAUTION: The cable tester should only be used to test inactive cables.*

The CT-8 cable tester is a device used to test modular cable for defects (shorts, opens, etc.). The CT-8 will test any cable - from 1-pair up to 4-pair - which is terminated with modular plugs on both ends. The sets of four lights on the transmitter and receiver will indicate normal or irregular wiring conditions according to how they light up.

### The cable tester has two parts:

- One CT-8T Transmitter Unit: a battery-operated electronic sequence generator with four green LEDs and two modular jacks (one 8-pin and one 6-pin)
- One CT-8R Receiver Unit: four green LEDs, four red LEDs and two modular jacks (one 8-pin and one 6-pin)

### Position of Conductors

When using four-, six- or eight-conductor cables, the conductors are identified by number (1-4, 1-6 or 1-8), from left to right when looking at the plug with the tab facing towards you.

### Using the Cable Tester

Select the cable you wish to test. Plug one modular connector into the appropriate jack (6- or 8-pin) on the transmitter unit; plug the other modular connector into the appropriate jack on the receiver unit. The units will complete a circuit through the two wires in each pair of the cable one at a time, continuously cycling through up to four pairs.

Observe the sets of four LEDs on the transmitter and receiver units. When testing 1-pair cable, light 1 will represent the two conductors. For 2- to 4-pair cables, each pair of conductors will be represented by one of the four sets of lights according to the following table:

Light #	Cable Type		
	4 Conductor (2 pair)	6 Conductor (3 pair)	8 Conductor (4 pair)
1	pos. 2 and 3	pos. 3 and 4	pos. 4 and 5
2	pos. 1 and 4	pos. 2 and 5	pos. 3 and 6
3	—	pos. 1 and 6	pos. 2 and 7
4	—	—	pos. 1 and 8

The green lights on the cable tester transmitter and either the green or the red lights on the receiver unit will flash if the cable is in good working order. If the green lights on the receiver unit flash, the cable is swapped and in good working order. If the red lights on the receiver unit flash, the cable is straight through and in good working order. The lights on the two units will flash simultaneously following patterns indicated in the following table:

# of pairs	Light flashing pattern
1 pair	1 (pause) 1 (pause) 1 (pause) ...
2 pair	1, 2 (pause) 1, 2 (pause)
3 pair	1, 2, 3 (pause) 1, 2, 3 (pause)...
4 pair	1, 2, 3, 4 (pause) 1, 2, 3, 4 (pause)...

Any deviation from this flashing pattern means that one or more of the conductors are defective.

### LIMITED WARRANTY

Digital Security Controls Ltd. warrants that for a period of twelve months from the date of purchase, the product shall be free of defect in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. This warranty contains the entire warranty. Digital Security Controls Ltd. neither assumes, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product. In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

**WARNING:** Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

### FCC COMPLIANCE STATEMENT

**CAUTION:** Changes or modifications not expressly approved by Digital Security Products Ltd. could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

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