

# D240

## **TwinAx Cable Tester**

GUIDE TO OPERATION



**DARKSTAR TECHNOLOGIES**

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## ***Features***

The D240 is a simple, low-cost approach to testing IBM TwinAx cables. It's easy to use and can fit easily in your shirt pocket or tool kit. The D240 will automatically perform eight different tests on your cable and display the status using leds. These include checks for opens, shorts, reversed wires and also a 110 Ohm terminator test. The two-piece design allows users to test cables either before or after installation.

## ***Operation***

Your D240 is turned on using the slide switch on the right hand side of the tester. With nothing connected, the OPEN CABLE led will light. If the D240's leds appear dim or they fail to function, simply replace the 9-volt alkaline battery in the rear of the tester.

To test a cable, you simply need to plug one end into the D240 and connect the remote plug (included) into the other end. The following description will help you characterize any cable faults by observing the led indicators.

## ***When Testing a Cable Using the Remote Plug***

The OK led will light when both center conductors are correctly wired, the shield is connected and no shorts exist.

The OPEN led will light if (a) nothing is plugged into the D240 or (b) the remote plug is not connected at the other end of the cable or (c) one or both center conductors are open or (d) the shield is open.

The REVERSE led will light if the two center conductors are reversed. The D240 does not check the shield for open or short if this condition exists.

The SHORT led will light if the two center conductors are shorted together. The D240 does not check the shield for open or short if this condition exists.

The SHORT and OPEN leds will both light if one (not both) of the center conductors is shorted to the shield. You will also get this indication if you are testing a terminator that is not within 2% of 110 Ohms.

The TERM led will light to indicate that a terminator has been connected to the D240 or to the far end of the cable (assuming no other cable faults exist). This led will only light when the attached terminator is within 2% of 110 Ohms.

## **Specifications**

<b>Power Requirement</b>	9-volt alkaline battery
<b>Unit Size</b>	4.5 X 2.3 X 1.0 inches 11.5 X 5.9 X 2.6 centimeters
<b>Shipping weight</b>	1.0 lb / 0.45 kg
<b>Operating temperature</b>	0 to 45 degrees centigrade non-condensing
<b>Cable types supported</b>	IBM TwinAx
<b>Maximum cable length</b>	200 meters
<b>Fault conditions tested</b>	Open center wires Open shield Shorted center wires Short to shield Swapped center wires Faulty terminator

## **Technical Assistance**

Customer support is obtained through the distributor from which you purchased your tester. If you still have problems or cannot locate your distributor, you may reach us via fax at (765) 775-4073 or via our website at [www.darkstar.crowecorp.com/](http://www.darkstar.crowecorp.com/)

## **Warranty**

Darkstar Technologies warrants its products against defects in materials or workmanship for a period of one year from the date of purchase. Any product that is returned shipping prepaid will be inspected and tested, and items meeting warranty conditions will be repaired or replaced free of charge. Please contact your distributor if repair or replacement is required.

