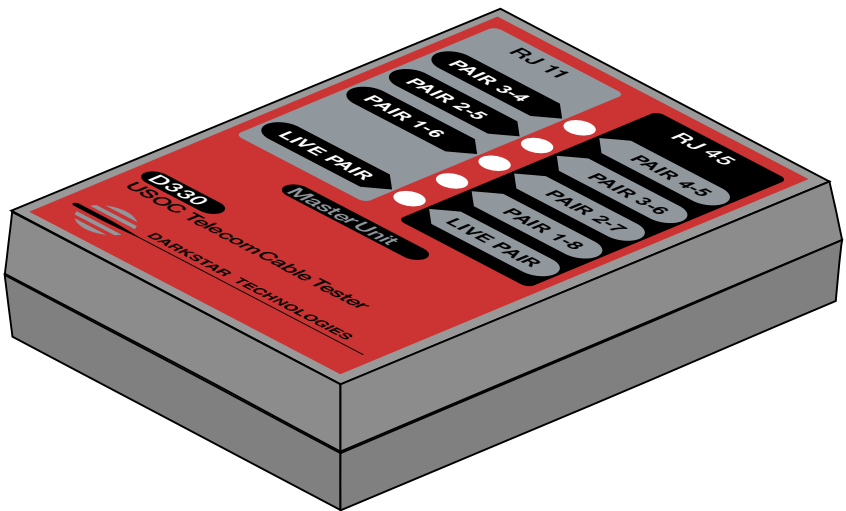


D330

USOC Telecom Cable Tester

GUIDE TO OPERATION



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Features

The D330 is a simple, low-cost approach to testing any USOC style cables for correct continuity. Any cable using 1-, 2-, 3-, or 4-pair modular connectors can be quickly checked. The D330 will also alert you to the presence of an active line and can even provide talk battery. It's easy to use and can fit easily in your pocket or tool kit. The two-piece design allows users to test cables either before or after installation.

Operation

Your D330 is turned on using the slide switch on the right hand side of the tester. The center switch position is the OFF position while the "up" and "down" positions activate the tester in either the CABLE mode or the TALK mode. With nothing connected, all five leds will remain dark. When the unit is first turned on, the leds will momentarily flash and a beep will be heard as a self-test is performed. If the D330's leds appear dim or they fail to function, simply replace the 9-volt alkaline battery in the rear of the master unit.

Cable-Test Mode

When the D330 tests a cable for correct continuity, there are several ways that information is conveyed to the user. All eight wires are tested for correct USOC connections as follows:

- led off - means that at least one wire in that pair is open.
- led on - means that both wires in that pair are correct.
- led flashes - means that a short or reverse is detected.
- four leds flash - means that some sort of swap is detected.
- any beep - means that some type of error is being displayed.

To test cables or jumpers for correct continuity, the D330 remote unit must be connected at the far end of the cable. If all pairs are wired correctly and no faults of any type are found, then all pair leds will light continuously and the LIVE PAIR lamp will remain dark.

If the other end of the cable is plugged into a live circuit (on pair 1) then the LIVE PAIR led will be lit. This may take the line off-hook while the D330 is connected.

If a short or a reverse is detected within a pair then that led will flash. If wires from two different pairs are shorted together then both leds will flash.

If a swap of any kind is detected, then the top four leds will flash. This would also occur if all four pairs were somehow shorted together, however this is very unlikely.

Note: If your entire cable is “reversed” from end to end, the D330 does not report this as an error since telco polarity can vary.

Note: The leds corresponding to each pair will only light steadily if the pairs are correctly wired. Some flickering will occur during continuity testing but can be easily distinguished from a flash and there will be no corresponding beep when there are no cable faults. The beeper will not sound if all four pairs are open as it will be interpreted as a “disconnected” condition.

Talk-Battery Mode

By selecting the TALK position with the slide switch on the side of the master unit, the D330 will source talk battery to its modular connectors on line 1. If nothing is connected, this position will not drain the battery.

Specifications

Power Requirement	9-volt alkaline battery
Unit Size	4.5 X 2.3 X 1.0 inches 11.5 X 5.9 X 2.6 centimeters
Shipping Weight	1.0 lb / 0.45 kg
Operating Temperature	0 to 45 degrees centigrade non-condensing
Cable Types Supported	RJ11 (3 pair) or RJ45 (4 pair) using USOC pair scheme
Maximum Cable Length	200 meters
Fault Conditions Tested	Opens Shorts Swaps or Reverses
Live Line Detection	Line 1 only
Talk Battery	9 volts, current limited

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/

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.

