

6. If the rotation of the disc is COUNTER-CLOCKWISE ____,release 'ON' button and transpose (interchange) the connections of any

two clips to the lines.

Release 'ON' button at end of test.

Belease the 'ON' button at conclusion of test

7. Press the 'ON' button again, making certain that all 3 lamps are lit (no open phases), and check direction of the rotating disc, which will be CLOCKWISE .

WARRANTY STATEMENT

This tester is warranted to the original purchaser against defects in material and workmanship for two years from the date of purchase. During this warranty period, IDEAL INDUSTRIES, INC. will, at its option, replace or repair the defective unit, subject to verification of the defect or maltifunction. This warranty does not cover fuses, batteries or damage from abouse, neglect, accident, unauthorized repair, alteration, or unreasonable use of the instrument.

Any implied warranties arising out of the sale of an IDEAL product, including but limited to implied warranties of merchantebility and fitness for a particular purpose, are limited to the avobe. The manufacturer shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expenses or economic loss.

State laws vary, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal right, and you may also have other rights which vary from state to state.

IDEAL INDUSTRIES INC.

Attention: Repair Dept. 1000 Park Ave. Sycamore, IL 60178

1 The warranty is not applicable if the instrument has been misused, abused, subjected to loads in excess of specifications, has had unauthorized repair or has been improperly assembled or used.



Shown Approx

1/3 Actual Size

IDEAL INDUSTRIES, INC. Sycamore, IL 60178, U.S.A. 800-435-0705 Customer Assistance www.idealindustries.com ND-1714-2 not be prevented by any printed word and may cause injury and or equipment damage. Please follow these instructions faithfully and adhere to all standard industry safety rules.

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IMPORTANCE OF PHASE SEQUENCE INDICATION

Phase Sequence is the order in which the phase voltages come on the system.

If, during repair or maintenance, two lines are transposed (interchanged) from their original positions, the Phase Sequence will be reversed. This, in turn, will reverse the direction of all 3-Phase motors on the system.

This can cause severe personal, property and equipment damage especially where rotating machinery is used for woodworking, metalworking, escalators, elevators, automation, etc.

Hence, when any repairs or maintenance is made on 3-Phase systems, or when paralleling 3-Phase Transformers or 3-Phase banks, the phase sequence of each must be in the same order.

The Model 61-520 is a positive action electrical tester and will indicate both Phase Sequence and Phase Continuity instantly and accurately.

SPECIFICATIONS

Voltage - to 600V on 3-Phase Power Source

Duty Cycle - CONTINUOUS TO 500V

5 MINUTES MAX. FROM 500V TO 600V

Frequency - 50/60Hz

Insulation

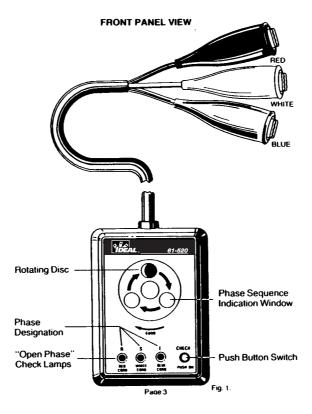
est - 2.200V AC for 1 minute

Dimensions - 4.24"L X 3"W X 1.6" D (106X75X40mm)

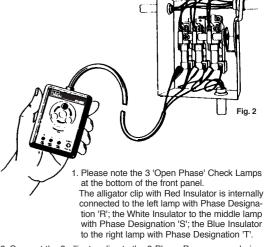
Weight - 12½ Oz. (350g.) Line Cord - 60"

PACKAGING

Packed in handy unit box, complete with Pouch, Form ND-1714 Operating Instructions and Warranty Card. all ready to use.



HOW TO CHECK PHASE SEQUENCE (cont'd)



- Connect the 3 alligator clips to the 3-Phase Power source being checked for Phase Sequence. The positions of the clips on the 3 lines is optional.
- Press the 'ON' button in lower right corner of front panel, keeping it depressed throughout the test.
- If all 3 lamps are lit, it signifies NO OPEN PHASES and the Phase Sequence can then be checked.

However, if any of the lamps are NOT lit, the Phase Sequence Indicator will not operate. Check to determine cause of the open phase and correct before proceeding with the test.