

Western Electric Co., Incorporated,
Engineering Dept.,
New York.

228190
AUG 15 1922
(2 Pages) Page #1.
Issue 1 - BT-501456.
October 19, 1921.

METHOD OF OPERATION
TESTING CIRCUIT

Final Test Line Switching For Routine Test Of Final Selectors - Full Mechanical
Power Driven System.

GENERAL DESCRIPTION

1. This circuit appears in the final multiple of every final trunk selector frame in an exchange. It is cross connected through a transfer key to a jack box located on the final frame and also to an intercepting operator. The circuit is used in connection with a routine test circuit of final selector circuits to test the trunk hunting feature of a final selector. When the transfer key is normal, the test line is connected directly to an answering jack at the intercepting operator's position in order that any incoming call ending with 99, 98, or 97 will be trunked to the intercepting operator for clearance. When the transfer key is operated, the line is connected to the final frame jack box for testing purposes.

DETAILED DESCRIPTION

2. Should a subscriber, by mistake dial a number ending with the numerals 97, 98, or 99, the final selector travels to terminal 99 and rests on the T, R and S terminals of this circuit. A circuit then is closed from battery through 220 ohms over the sleeve brush and terminal of the final selector circuit, break contact of the TRA key, winding of the IO relay to ground in the intercepting telephone circuit, operating the IO relay. The IO relay operated, closes a circuit lighting the IO lamp. Upon disconnection by the final selector, the T, R, and S terminals are released, releasing the IO relay and restoring the circuit to normal.

(2 Pages) Page #2.
Issue 1 - BT-501456.
October 19, 1921.

CIRCUIT REQUIREMENTS

OPERATE

B36 Readj. .018 amp.
(10) Test .033 amp.
 W.C.C. .048 amp.

NON-OPERATE

OPERATE

Readj. .006 amp.
Test .003 amp.

ENG.--TML-JO.
10/28/21.

CHK'D.--WAL-CWP.

APPROVED - C.L. SLUYTER, G. M. L.