" TEL-TOUCH* III"
SYSTEM INSTALLATION, EQUIPMENT DESIGN AND TRAFFIC ENGINEERING

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1. GENERAL

1,01 This section provides a filing reference for the manufacturer's practices. The practices are not included but may be ordered if required.

1.02 This section provides a general description of the International Telephone and Telegraph Corporation (ITT) Tel-Touch III System. It also provides ordering information needed to obtain the manufacturers practices.

1.03 The Tel-Touch III system allows existing Step-by-Step (SXS) switching machines to accept pulses from pushbutton Touch-Tone® and rotary dial telephones. Tel-Touch offers the increased speed, accuracy and convenience inherent in pushbutton dialing.

1.04 The Tel-Touch III system has a capacity of serving up to 980 linefinders (or 10,000 lines if the office has 19 linefinders per group.)

2. PHYSICAL DESCRIPTION

2.01 Tel-Touch is a modularized system used in conjunction with a SXS telephone switching system to provide customers with the convenience of pushbutton dialing.

2.02 The equipment is housed in relay racks 32 inches wide, 12 inches deep and either 9 feet 0 inches or 11 feet 6 inches in height. The arrangment on either height relay rack is shown in Fig. 1 or 2.

**Trademark of International Telephone and Telegraph Co.*

3. BLOCK DIAGRAM

3.01 The Tel-Touch interface with a typical SXS system, and the modules involved are shown in Fig. 3.

3.02 The adaptor module is the direct interface unit. It is wired directly to the central office intermediate distributing frame (IDF) between the linefinder and first selector switches. Tel-Touch may be installed in any direct dial controlled SXS switching center that is *not* common control. No modification is necessary to the existing equipment.

3.03 Tel-Touch III has a crossbar switch matrix designed for two stage access to the converter-receivers.

4. ITT PRACTICES

4.01 A list of practices used in installation, equipment design and traffic engineering of the system is shown below with a brief resume of the contents. The section number and title as indicated should be used when ordering sections. See Part 5 for ordering information.

(a) *Section GA-000-001 General Information Tel-Touch I, II and III*

This section provides an introduction to the Tel-Touch system. Also described are the major equipment elements or building blocks of the system.

(b) *Section GB-200-001 Installation Tel-Touch II and III*

This section contains installation procedures and tests of the system. A brief description of functions is also included.

(c) *Section GD-200-001 Traffic Engineering Tel-Touch II and III*

This section contains traffic engineering information necessary to incorporate Tel-Touch II and III systems into a SXS switching system. Both exact and approximate traffic calculation methods are provided and example problems are solved for both methods.

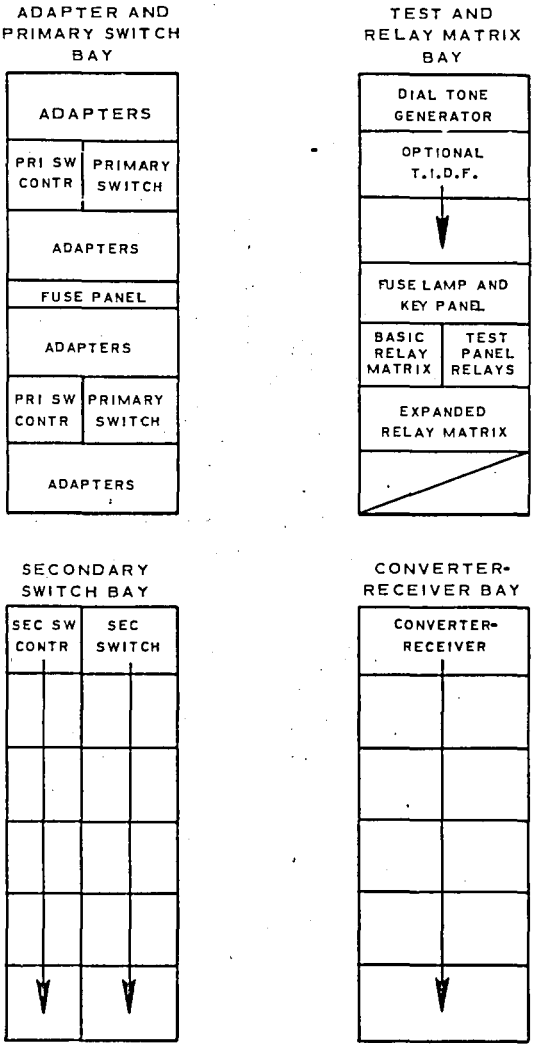

FIGURE 1 Individual 9 "0" Bay Layout, Tel-Touch III

Fig. 1 — Individual 9' 0" Bay Layout, Tel-Touch III

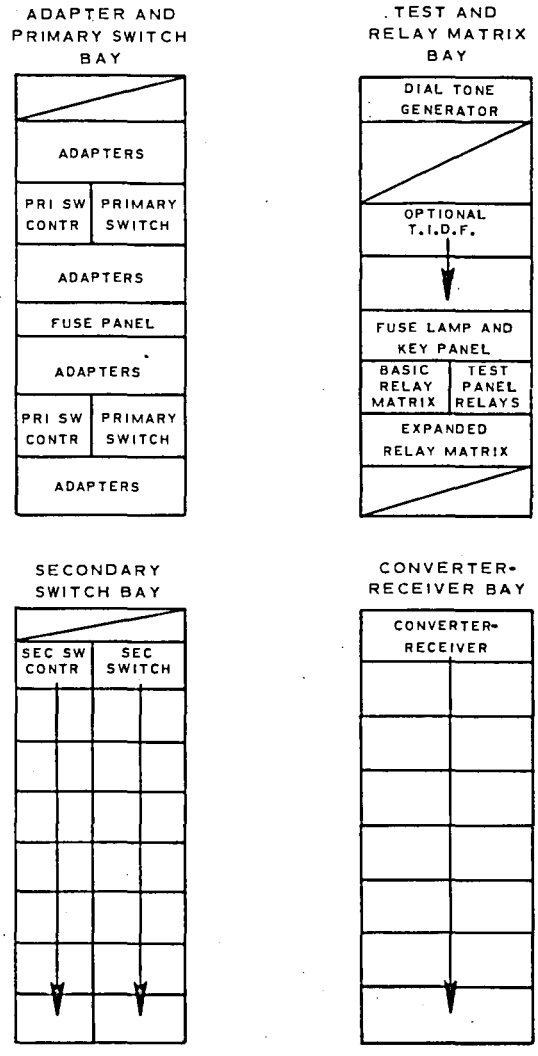

FIGURE 2 Individual 11 "6" Bay Layout, Tel-Touch III

Fig. 2 — Individual 11' 6" Bay Layout, Tel-Touch III

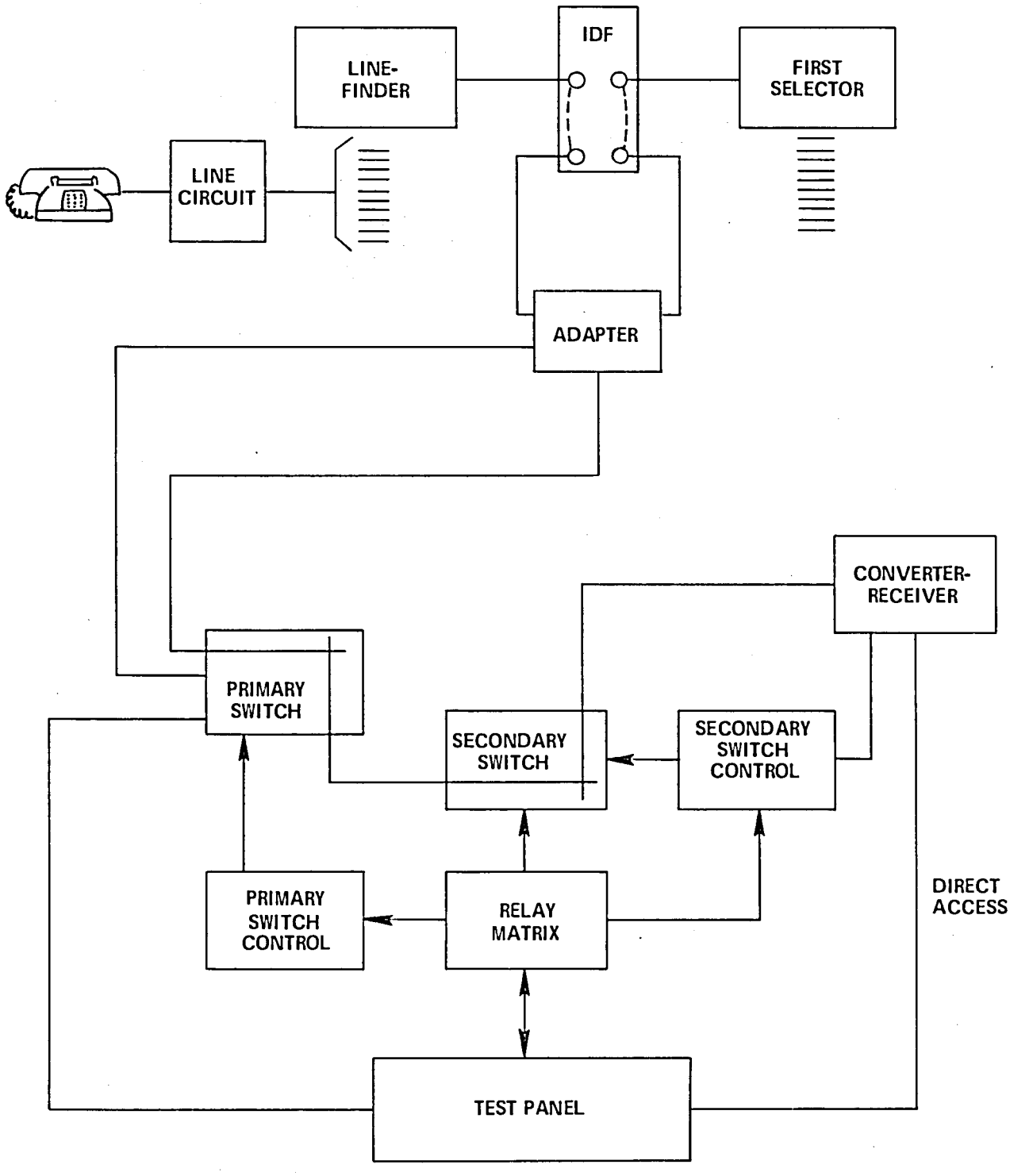

Fig. 3 — Tel-Touch III Block Diagram

(d) *Section GB-200-001 Equipment Design Tel-Touch II and III*

This section contains functional descriptions and planning information for traffic and floor space requirements, and ordering information for bays and components.

4.02 A list of practices for maintenance personnel is contained in Section 227-800-901PN. These sections may be helpful in better understanding the functions of the Tel-Touch systems.

5. ORDERING GUIDE – ITT PRACTICES

(SECTION)	(TITLE)

Note: Order from Western Electric on Form P-505. Enter the address as shown below.

Available from:

International Telephone and Telegraph Corporation
Customer Service Department
Telcom Drive
Milan, Tennessee 38358