

GRANGER ASSOCIATES TM7400-M2 TRANSMUX*
DESCRIPTION INSTALLATION AND MAINTENANCE

1. GENERAL

1.01 This is a cover sheet for the Granger TM7400-M2. *Transmux* Instruction Manual which is not attached but available with each installation. Pacific Telephone Engineering Letter (PTEL) 2210 authorizes the use of this equipment in Pacific Company (PAC).

1.02 (Reserved for future use.)

1.03 The TM7400-M2. *Transmux* is a digital Time-Division-Multiplex (TDM) to analog Frequency-Division-Multiplex (FDM) converter. It is designed to provide a bilateral, full-duplex interface between digital facilities and analog transmission facilities.

1.04 The Transmux converts 24 TDM-FDM voice channels to two 12-channel FDM basic groups at 60 to 108 Hz. At the same time it converts the TDM signaling bits to FDM in-band 2600 Hz signaling tones which are also translated to the basic group frequencies.

1.05 The Pulse Code Modulation (PCM) interface with the digital switch is at standard Bell DS-1 level (24-channel, 1.544 mb/s) North American T1 line.

1.06 If corrections are required in the manufacturer's instruction, use Form E3973-1PT as described in Section 000-010-901PT to process the correct information.

1.07 If equipment design and/or manufacturing problems occur, refer to Section 010-700-011PT for procedures for filing an Engineering Complaint for General Trade Products (GTPs).

1.08 When revised instruction reflect changes due to modification of equipment, retain the superseded information until equipment is modified and tested.

Note: Equipment shall *not* be modified without the approval of the District Staff Manager-Maintenance Systems.

2. TRAINING

2.01 Training covering the theory, installation, operation and maintenance of the transmultiplexer is available from Granger Associates. Arrangements should be made through the GTP district. Training can be provided on-site or at the Granger plant in Santa Clara.

3. MAINTENANCE

3.01 Field repairs that involve replacement of components within these units are not recommended.

4. ORDERING PROCEDURES

4.01 Order Granger equipment direct from the manufacturer:

Granger Associates
Customer Service Department
3101 Scott Boulevard
Santa Clara, CA 95051

4.02 When ordering Granger equipment, use Purchase Order Form GTP2-FA as specified in System Instruction (SI) 70, Section 2. Send the blue copy of the Purchase Order as follows:

* *Registered trade mark for Granger Associates*

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

SECTION 365-180-900PT

- For Northern California and Nevada —
RPO
1129 B Street, Room 207
Hayward, CA 94541
- For Southern California —
RPO
2420 Yates Avenue, Room 246
Commerce, CA 90040

Note: Additional ordering information is contained in the GTP Catalog.

5. REPAIR/RETURN

5.01 Granger Associates' warranty is 12 months from date of shipment. Any part that becomes defective due to misuse or mishandling is not covered by the warranty. Tampering with seals or attempting to repair units still in warranty without prior authorization by Granger voids remaining warranty.

5.02 Repair services covered by the Granger warranty agreement are performed at their plant in Santa Clara, California. (Refer to PTEL 2210 for more information covering repair services.)