

FD-2240A
6.3MB OPTICAL LINE TERMINATING MULTIPLEXER
GENERAL INSTALLATION INFORMATION

1. GENERAL

- 1.01 This section is a cover sheet for the NEC America, Inc., FD-2240A 6.3MB Optical Line Terminating Multiplexer General Installation Information. This section is reproduced with permission of NEC America, Inc., and is equivalent to NEC practice NECA 365-407-200, Issue 3.
- 1.02 Whenever this section is reissued the reason(s) for reissue will be listed in this paragraph.
- 1.03 This section provides general installation information and guidelines for using other installation practices.
- 1.04 If corrections are required in the attached document, use Form-3973 as described in Section 000-010-015.
- 1.05 If equipment design and/or manufacturing problems should occur, refer to Section SW 010-522-906 for procedures on filing an Engineering complaint.

2. ORDERING PROCEDURE

- 2.01 To order additional copies of this practice, use NECA 365-407-806SW as the section number.

3. REPAIR/RETURN

- 3.01 Malfunctioning units may be returned to NEC America, Inc., for repair.

Attachment: NEC America, Inc.
FD-2240A 6.3MB Optical Line
Terminating Multiplexer
General Installation Information

PROPRIETARY
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NEC PRACTICE

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FD-2240A
6.3 MB OPTICAL LINE TERMINATING MULTIPLEXER
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1. INTRODUCTION

1.01 Information and instructions required to install the FD-2240A 6.3MB Optical Line Terminating Multiplexer (6.3MB O-LTM) are described in separate NEC practices. Each practice covers a specific area of the 6.3MB O-LTM installation. This practice provides a general installation information and guidelines for using other installation practices.

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NECA 365-407-200

1.02 Issue 3 of this practice supersedes Issue 2 of NECA 365-407-200. The practice provides expanded coverage and corrects errors and omissions in the superseded document.

1.03 Whenever this practice is reissued, the reason for reissue will be

listed in this paragraph.

1.04 Installation practices for the 6.3MB O-LTM contain basic information, instructions, and procedures for installing the 6.3MB O-LTM. Information provided is limited to that required to mount, connect, adjust, and test the 6.3MB O-LTM prior to actual operation. Detailed information on installing the 6.3MB O-LTM at a specific site is not provided in these practices. It is recommended that users consult the engineering package for detailed system configuration, associated equipment, circuit destinations, etc.

1.05 Table 1-1 lists NEC practices containing the 6.3MB O-LTM installation information. Installation tasks should be performed in the following order:

- (1) Unpacking
- (2) Rack installation
- (3) Shelf installation
- (4) External cabling connections
- (5) Unit installation and adjustment
- (6) Installation testing

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Table 1-1
6.3MB O-LTM Installation Practices

NECA 365-407-201	FD-2240A 6.3MB Optical Line Terminating Multiplexer Rack and Shelf Installation
NECA 365-407-202	FD-2240A 6.3MB Optical Line Terminating Multiplexer External Cabling Connections
NECA 365-407-203	FD-2240A 6.3MB Optical Line Terminating Multiplexer Unit Installation and Adjustment
NECA 365-407-204	FD-2240A 6.3MB Optical Line Terminating Multiplexer Installation Testing

2. UNPACKING

2.01 This equipment is shipped with fully wired shelf, fuses and cover mounted. Plug-in units, cables and accessories supplied with the FD-2204A are shipped separately. Observe the container marking to ensure that each container is properly oriented at all times.

2.02 Unpack each container carefully. Check its contents against the attached actual packing list and examine each item for damage. Report to the transportation agency if a damage is found when unpacked. If the equipment will not be immediately installed, retain the packing materials for storage of the equipment.

3. RACK AND SHELF INSTALLATION

3.01 The 6.3MB O-LTM is designed to mount in an EIA standard 19-inch relay rack. NEC practice NECA 365-407-201 contains rack and shelf installation instructions.

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4. EXTERNAL CABLING CONNECTIONS

4.01 All external cabling connections, except optical fiber cord, are made at the rear of the 6.3MB O-LTM shelf. There are seven types of connections, some of which are not required at a single installation:

- (1) DS1 and DS2 input/output cable connections
- (2) Optical input/output connections
- (3) External clock interface connections
- (4) Orderwire interface connections
- (5) Central office alarm interface connections
- (6) Supervisory alarm and status interface connections
- (7) Station power connections

4.02 NEC practice NECA 365-407-202 describes external cable connections. It is recommended that installation personnel become familiar with this practice because installation information for a specific site can be coordinated with cable connection locations.

5. UNIT INSTALLATION AND ADJUSTMENT

5.01 After all external cabling connections have been made and station power connected, voltage applied to shelf should be checked before installing units. The plug-in units should be installed as listed below:

- (1) Set strapping receptacle positions on units
- (2) Install units in the correct shelf positions. Refer to NECA 365-407-203.

5.02 In some cases, detailed information of FOTS system configuration is required in order to determine the correct receptacle positions.

6. INSTALLATION TESTING

6.01 NEC practice NECA 365-407-204 describes instructions and procedures for testing the FD-2240A 6.3MB O-LTM.

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6.02 Installation testing is required to contain the following tests.

- (1) Low voltage power supply check
- (2) Alarm circuitry test
- (3) Local and system operating test