Model 990 Computer

DX10 Poller
Object Installation Guide

Part No. 2302677-9701 **
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READ FIRST

Contents

READ THIS DOCUMENT BEFORE ATTEMPTING TO USE THIS OBJECT KIT. THIS DOCUMENT DESCRIBES THE DX10 POLLER INSTALLATION MEDIA, PART NUMBERS 2276865-1601 AND 2276865-1602.

TEXAS INSTRUMENTS ASSUMES NO RESPONSIBILITY FOR MODIFICATIONS MADE TO THIS OBJECT KIT.

Section 1

Introduction

1.1 GENERAL INFORMATION

This document describes the installation of the DX10 Poller Application Software under the DX10 operating system (release 3.4). You can install the package for 3780 lines, TPD lines, or both. As a precaution, make a copy of the object media before proceeding with the installation. For copy procedures, refer to the DX10 Operating System Production Operation Manual, Volume II, part number 946250-9702.

You can execute all DX10 commands in this document by entering the command in abbreviated form or by using the interactive prompting from the System Command Interpreter (SCI). For a discussion of the SCI commands, refer to the DX10 Operating System Production Operation Manual, Volume II, part number 946250-9702.

1.2 MEDIA DEFINITION

Product shipments are made in three formats:

* Disk -- A DS10, DS25, DS31, DS50, or DS200 disk pack or two double-sided, double-density (DSDD) diskettes that contain the object

* Magnetic Tape -- An 800-bpi or 1600-bpi magnetic tape that contains the object

* Add-On -- A disk pack that contains the object and one or more other products

The Product Documentation Package includes a disk map that shows the contents of the media.

The installation instructions in this document access the object files by a synonym. Section 2 describes how to prepare the media so that you can access the files in this way.

1.3 THE INSTALLATION PROCEDURE

The installation procedure contained in this document describes the steps required to install the DX10 Poller Application Software on a DX10 system. The system must have been generated to support the required number of 3780 stations and/or the required number of TPD stations. When the system supports 3780 stations, the system must also include the 3780/2780 Emulator.

1.4 SYSTEM REQUIREMENTS

To perform this installation successfully, you must have a functioning DX10 system, release 3.4, on a Model 990/10 or 990/12 Computer equipped with a minimum of 256 kilobytes of memory.

Section 2

Preparing for Installation

2.1 INTRODUCTION

Before executing the installation instructions, you must prepare the object files for access by the batch stream. The following paragraphs describe how to prepare each type of media.

2.2 DOUBLE-SIDED, DOUBLE-DENSITY DISKETTE FORMAT

When the object arrives on double-sided, double-density (DSDD) diskettes, perform the following steps to prepare it for installation:

1. Mount object installation diskette POLLINS1 in an available drive on a functioning DX10 system and make it ready for disk installation. Disable the diskette write protection.

2. Install the diskette by executing the following command:

   IV U=DSxx, V=POLLINS1

   DSxx is the name of the drive in which object installation diskette POLLINS1 is mounted.

3. Mount object installation diskette POLLINS2 in another available drive on the same DX10 system and make it ready for diskette installation. Disable the diskette write protection.

4. Install the diskette by executing the following command:

   IV U=DSyy, V=POLLINS2

   DSyy is the name of the drive in which object installation diskette POLLINS2 is mounted.

5. Assign the synonyms SRC1 and SRC2 to the installation diskettes by executing the following commands:

   AS S=SRC1, V=POLLINS1

   AS S=SRC2, V=POLLINS2

Now proceed to Section 3 to install the DX10 Poller Application Software on the DX10 system.

2.3 DISK FORMAT

When you receive the object on a disk, perform the following steps to prepare it for installation:

1. Mount the object installation disk in disk drive DSxx on a functioning DX10 system and make it ready for disk installation. Disable the disk write protection.

2. Install the disk by executing the following command:

   IV U=DSxx, V=POLLINST

   In this command, DSxx is the disk drive in which the object installation disk, POLLINST, has been mounted.

3. Assign synonym SRC to the object installation disk by executing the following command:

   AS S=SRC, V=POLLINST

Now proceed to Section 3 to install the DX10 Poller Application Software on the DX10 system.

2.4 MAGNETIC TAPE FORMAT

When you receive the object on a magnetic tape, you must first copy the files to a disk before beginning the installation process. To do this:

1. Mount the disk on which the object installation files are to be copied in disk drive DSxx and initialize the disk by executing the IDS command as follows:

   IDS UN=DSxx,I=Y,V=POLLINST,N=342,D=768,H=1,US=N

   In this command, POLLINST is the name of the disk on which the directory is to be copied.

2. Mount the magnetic tape on an available tape drive (MTxx) and make it ready.

3. Copy the contents of the magnetic tape to the disk, POLLINST by executing the following command:

```
RD S=MTxx, D=POLLINST, L=.LISTING
```

File .LISTING now contains a listing of the directory restored from the magnetic tape. You can examine this file by executing a Show File (SF) or a Print File (PF) command.

4. Unload the tape.

5. Assign synonym SRC to the pathname of the restored directory by executing the following command:

```
AS S=SRC, V=POLLINST
```

In this command, POLLINST is the volume name of the disk that received the restored directory.

Now proceed to Section 3 to install the DX10 Poller Application Software on the DX10 system.

2.5 ADD-ON FORMAT

If you order the DX10 Poller object as an add-on package to DX10, the object files already exist on a DX10 disk as follows:

* Under the directory name .POLLINST if on the system disk
* Under the directory name <volume name>.POLLINST if on a disk other than the system disk

When you receive the object as an add-on package, perform the following steps to prepare it for installation:

1. Mount the disk that holds the add-on package in disk drive DSxx on your DX10 system and make it ready for installation.

2. Install the disk by executing the following command:

   IV U=DSxx, V=<volume name>

   In this command, DSxx is the disk drive on which the volume is mounted and <volume name> is the volume name of the add-on disk. The volume name is marked on the disk, or you can enter a Show Volume Status (SVS) command to obtain the volume name.

3. Assign synonym SRC to the object directory on the add-on disk by executing the following command:

   AS S=SRC, V=<volume name>.POLLINST

Now proceed to Section 3 to install the DX10 Poller Application Software on the DX10 system.

Section 3

Installing DX10 Poller

3.1 INTRODUCTION

The installation procedures in this section install the DX10 Poller Application Software on a previously generated DX10 system. This system must support one or more 3780 stations and/or one or more TPD stations. The object files are either on a disk or on two diskettes.

3.2 DISK FORMAT

When the object files are on a disk, perform the following steps:

1. Enter the following command to create a directory under which the software is to be installed. Use the CFDIR command as follows:

   ```
   CFDIR P=USER.POLL, M=20
   ```

   Pathname USER.POLL is an example of the pathname of a directory to receive the software.

   NOTE

   Directory .POLLER is reserved for use by the Poller task.

2. Assign synonym TGT to the name of the directory created in step 1. Use the AS command as follows:

   ```
   AS S=TGT, V=USER.POLL
   ```

3. Execute the installation batch stream with an XB command as follows:

```
XB IAN=SRC.INSTALL, LAN=LP01
```

The batch stream installs the software in the directory specified by synonym TGT and prints the batch stream listing on LP01. The batch stream installs SCI procedures POLL and POLL$1 on file .S$PROC, the Poller SCI procedures in directory TGT.P$PROC, and the Poller tasks on program file TGT.P$PROGA. When execution of the batch stream completes, the system displays the following message:

```
INSTALLATION COMPLETE:  ERROR COUNT = xx
```

Perform the steps in paragraph 3.4 to complete the installation.

3.3 DOUBLE-SIDED, DOUBLE-DENSITY DISKETTE (DSDD) FORMAT

When the object files are on diskettes, perform the following steps:

1. Enter the following command to create a directory under which the software is to be installed. Use the CFDIR command as follows:

```
CFDIR P=USER.POLL, M=20
```

Pathname USER.POLL is an example of the pathname of a directory to receive the software.

NOTE

Directory .POLLER is reserved for use by the Poller task.

2. Assign synonym TGT to the name of the directory created in step 1. Use the AS command as follows:

```
AS S=TGT, V=USER.POLL
```

3. Execute the installation batch stream by executing an XB command as follows:

```
XB IAN=SRC2.INSTALL, LAN=LP01
```

The batch stream installs the software in the directory specified by synonym TGT and prints the batch stream listing on LP01. The batch stream installs SCI procedures POLL and POLL$1 on file .S$PROC, the Poller SCI procedures in directory TGT.P$PROC, and the Poller tasks on program file TGT.P$PROGA. When execution of the batch stream completes, the system displays the following message:

```
INSTALLATION COMPLETE:  ERROR COUNT = xx
```

Perform the steps in paragraph 3.4 to complete the installation.

3.4 COMPLETING THE INSTALLATION

Perform the following steps to complete the installation:

1. Enter the POLL command to assign synonym V to the directory to which synonym TGT is assigned and to assign global LUNO >81 to program file V.P$PROGA. Enter the command as follows:

```
POLL PDN=USER.POLL
```

In addition to assigning the synonym and global LUNO, the command displays the initial Poller menu.

When the 3780 program file is not accessible on the system, the POLL command cannot assign global LUNO >82 successfully. If no 3780 terminals are required, ignore the resulting error message.

2. Enter the PATCH command to apply patches. The responses to the prompts control the application of optional patches. In addition, the PATCH command applies all current patches to the Poller software. Enter the command as follows:

```
PATCH USING MACS=N, USING TTY ONLY=N
```

The default values shown in the example apply when the Vadic MACS modem chassis is not used and when at least one 3780 terminal is included in the network. Enter Y for the first response when using the Vadic MACS chassis. Enter Y for the second response when using only TTY terminals.

3. The software as supplied supports four communication lines. If you require more lines, enter the PIN command as described in the DX10 Poller Application Software Operations Manual, part number 2302679-9701. Then enter the PATCH command described in step 2 again.

4. When the object files are on a disk, unload and remove the object installation disk. Enter a UV command as follows:

```
UV VN=POLLINST
```

5. When the object files are on diskettes, unload and remove the object installation diskettes. Enter UV commands as follows:

```
UV VN=POLLINS1

UV VN=POLLINS2
```