1720A

Instrument Controller

Time and Date Utility
User Manual

FLUKE ®

This change/errata contains information necessary to ensure the
accuracy of the following manual.

MANUAL

Title: 1720A Time and Date User Manual
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ERRATA #1

On the title sheet of the manual, change the List of Software Versions,

FROM: TIME 1.0
TO: TIME 1.1

INTRODUCTION

The Time and Date Set Utility (TIME) is a machine-language utility program on the System Disk with the file name TIME.CIL. It requests information from the user to set the time and date of the internal time clock. When called from an active command file, it does not request input unless the clock status shows that the clock has lost power since the last setting by TIME.

CONVENTIONS USED IN THIS MANUAL

The following paragraphs describe conventions used in this manual. Individual sections of this manual may define additional conventions.

Command Definitions

Each 1720A command is defined in a standard format that allows a maximum of 80 characters in any command line.

O   The command is named on a title line.

O   A syntax diagram or syntax statement follows the title line.

O   The command definition follows the syntax diagram or syntax statement.

    1.   The body of the command definition is a short paragraph that describes the basic function of that command.

    2.   Amplifying information is separated by item and organized in a top down outline format similar to this description.

    3.   A cross-reference to any associated information or documents ends the command definition.

Syntax Diagrams

Syntax diagrams define correct spelling, punctuation, and sequence of words, symbols, and expressions for system and utility commands. The following guidelines define proper use of these diagrams:

O   Any path through a diagram starting from the left that does not run contrary to an arrowhead forms a legitimate command construct. The text accompanying the diagram explains legal usage.

O   Boldface words in a circular enclosure are to be entered exactly as shown. Example:

```
───────────────────►( LIST )───────────────►
```
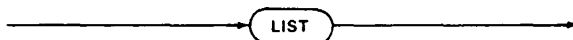
O   Key entries with names, such as ESC or RETURN, are shown in a box with rounded corners. Example:

```
( RETURN )
```
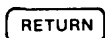
O   A required space character entry is always shown as:

```
──────────────────►( ⟨ space ⟩ )──────────►
```
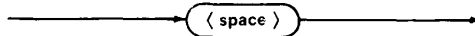
O   Control character entries are shown in circular enclosures within angle brackets. The representation CTRL/ means to hold the CTRL key depressed while typing the character that follows. Example:

```
──────────────────►( ⟨ CTRL/C ⟩ )──────────►
```

O   Lower case words enclosed in a box represent other information to be supplied.

```
──────────────────►[ file ]────────────────►
```
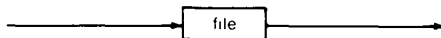
O   Words outside the path of the diagram, usually in parentheses, provide supplementary information. These words are normally not part of the definition of the statement. Example:

```
                    (input)
──────────────────►[ file ]────────────────►
```
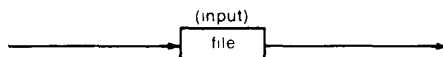
ENTERING THE TIME AND DATE SET UTILITY

From CONMON ─────────────────────────────●─(TIME)─────────●─(RETURN)
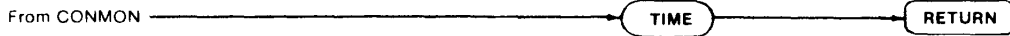
TIME is accessable through CONMON by typing TIME.

EXITING THE TIME AND DATE SET UTILITY

───────────────────────●─(CTRL/P)────────────────────●

TIME may be exited by entering <CTRL/P>. When the requested information is entered, control automatically returns to CONMON without the need for a separate command entry.

USING THE TIME AND DATE SET UTILITY

TIME displays the message:

    TIME(time)(date)
    Time Version <x.y>
    Enter date: DD-MM-YY

NOTE

    Verify that the version number <x.y> is the same as on the front of
    this manual. If it is not, contact a Fluke Customer Service Center
    for advice.

Type in the date, numeric month, and the year (two digits). The entries may be separated by any non-numeric character. Complete the entry with RETURN. TIME responds with:

Enter time: HH-MM

Type in the time, in 24-hour form, starting with the hour, followed by the minutes. The entries may be separated by any non-numeric character. Complete the entry with RETURN, and TIME returns control to CONMON.

The 24-hour day starts at 00:00 (midnight) and ends at 23:59 (just before midnight). If the time is at or beyond midnight and before 1:00 A.M., subtract 12 hours. If the time is at or beyond 1:00 P.M., and before midnight, add 12 hours. Otherwise, use the time unchanged. Three examples:

TIME	24-HOUR TIME
12:30 A.M.	00:30
9:45 A.M.	09:45
4:20 P.M.	16:20

3

The clock does not compensate for leap years. Whenever February 29 occurs, it must be manually entered. It if occurred on a day the 1720A was not being used, the date will be ahead by one until it is corrected.

The clock maintains a status flag that is set whenever power is first applied to it. The clock is supported by the internal battery even when the electronic disk is not. The TIME utility resets this flag after setting time and date information into the clock. Whenever TIME is called from an active command file, this status flag is checked. If it is found to be reset, no input is requested. This feature allows the use of a system command file that checks the clock for interruption without requiring keyboard input, except when the clock information is known to be wrong.