ALLEN-BRADLEY

Allen-Bradley 1300 – ITS Intelligent Terminal System

Working Model Instructions
(Version 2.01)

Introduction

Thank you for ordering the Allen–Bradley ITS software working model. The working model will let you see and use most ITS features without actually being connected to a Drive. ITS is a personal computer based software package that allows you to program, maintain and troubleshoot the following Allen Bradley Drives:

- Bulletin 1336 Digital AC Drive
- Bulletin 1395 Digital DC Drive

The ITS working model software is capable of simulating both off–line and on–line programming of most Drive features. All that is required is a computer with the following features: IBM PC®or compatible with 512K memory (400k must be available for ITS); 1.44 Meg 3.5" or 1.2 Meg 5.25" floppy disk, DOS version 2.0 or later.

Running ITS

The working model disk can be started in one of two ways. It can be run directly from the floppy disk, or it can be installed on a hard disk. The program runs the best when loaded on a hard drive.

Running directly from the floppy disk:

NOTE: To run the Demo on a monchrome monitor use the following command: **ITSDEMO /BW**. The space must be entered after the word ITSDEMO for successful installaion.

1. Select the Drive that contains the ITS working model disk. For example, if running from Drive A:
   type **A**: and press ***ENTer***.
2. Type ***ITSDEMO*** and press ***ENTer***.

Thats all there is to it! The working model software will load into memory and the ITS introduction screen will appear. If you have never used ITS before, refer to the "A Few Notes About ITS" section of this instruction sheet for details on program operation.

Installing the ITS working model on a hard drive:

1. Select the Drive that contains the ITS working model disk. For example, if running from Drive A:
   type **A**: and press ***ENTer***.
2. Type ***INSTALL*** and press ***ENTer***.

The installation program will ask you where to install the working model, and what type of computer amd monitor you have. After you respond to these questions, the software will be installed on your hard disk.

Running ITS from a hard drive:

1. Select the Drive\ Directory path that contains the ITS working model program. For example; if you installed the program in C:ITSDEMO then:

   Select the C: drive by typing ***C***: and pressing ***ENTer***.

   Select the ITS subdirectory by typing ***CD\ITSDEMO*** and pressing ***ENTer***.
   NOTE: To run the Demo on a monochrome monitor use the following command: ITSDEMO /BW.

2. Type ***ITSDEMO*** and press ***ENTer***.

Thats all there is to it! The working model software will load into memory and the ITS introduction screen will appear. If you have never used ITS before, refer to the "A Few Notes About ITS" and "The Basics" section of this instruction sheet for details on program operation.

Need Help?

ITS offers two types of help. Information about basic program operation and notes about ITS are available using the **HELP** selection under the main menu **SETUP** command. In addition, context sensitive help is available for every command and Drive Parameter by pressing the ***F10*** key when the cursor is on the command or parameter in question.

A Few Notes About ITS

The ITS working model is based on the actual ITS program, and all features that you use perform in the same fashion as they do when using the actual ITS program. Because this is a working model, you determine what you want to see, there is no guided tour.

Password Protection – ITS uses a username and user password to protect against unauthorized use and/or modification of ITS files. There are three levels of protection:

1. **Administration** – The Administrator(s) determine who can use ITS and whether each user can only monitor drive parameters or monitor and program drive parameters.
2. **Unlimited** – Persons with unlimited access can use all ITS features including file Retrieve/Save features and Upload/Download to Drive features.
3. **Limited** – Persons with limited access are allowed read–only access to files and Drive parameters.

To use the working model use the following usernames and passwords:

Username – ADMIN
Password – PASS
Keyword – KEY

NOTE: The keyword is used to access administration features.

On–Line Features – Since the working model software simulates the presence of a Drive there is a slight change in the way the program operates. To use the on–line features of the working model you must first retrieve a Drive file from the ITS disk. The actual ITS program Does Not require you to perform the following steps:

Before using the "On–Line" command do the following:

1. Select the **Drive Data** command from the main menu.
2. Select the **Edit** command from the pull down menu.
3. Select the **File** command.
4. Select the **Retrieve from Disk** command.

A listing of all sub–directories and files from the default directory will be displayed on the screen

5. Use the cursor keys to move the cursor to the **USERDATA** subdirectory and press **ENTer**. Use the cursor keys to position the cursor on one of the DEMO files (**DEMO 1336** or **DEMO 1395**). Press **ENTer** to retrieve the highlighted file.

At this point you can return to the On–Line command and proceed to simulate communication with a Drive.

The Working Model Sample Files

The working model comes with several sample files designed to highlight certain Drive features.

Filename: DEMO1336

Features: Typical 1336 parameter table listing with header information added. (see the TABLE command under DRIVE DATA\EDIT).

Filename: DEMO1395

Features: Typical 1395 parameter table and configuration table listing with header information included. (Comments were also added to the configuration table listing).

Filename: TREND 1

Features: A sample trend file showing trend setup information and actual data gathered from a Bulletin 1395 Drive.

ITS actually uses several files to store Drive related information. When using the **Retrieve from Disk** command you will only see those files that apply to the function you are performing. For example, when using the **Retrieve from Disk** command to load a trend file, the directory listing will show those files which have been identified by ITS as containing trend information.

The Basics

Theis section contains some simple hints on ITS features that enhance program operation and use.

Menu/Command Selection: Each command can be executed in one of two ways:

- The first is to use the cursor keys to position the cursor on the desired selection and then press ENTer to execute the command.
- The second is to press the key corresponding to the highlighted letter of the desired command. This will move the cursor to the desired selection and execute it immediately.

Retrieve/Save vs Upload/Download: The retrieve and save commands are always used when accessing a disk drive. The upload and download commands are always used when simulating communication with a drive.

Colors: When you enter ITS for the first time, the display will be black and white. To change to a color display select the **Default Colors** choice from the **Setup/Colors** menu.

Function Keys: The following function key assignments have been made to simplify program operation. Function keys F2, F3, F5, F6, and F7 are active only when ITS is On–Line with a Drive.

F1 – Search: Searches a parameter or configuration table for the data specified by the user.

F2 – Drive Reset: Resets the Drive. The drive must be on–line to use this feature.

F3 – Clear Faults: Clears a drive fault condition. The drive must be on–line to use this feature.

F4 – Switch: When working with a parameter/configuration table or a trend file, the **F4** key can be used to switch between tables. For example, if you are editing a 1395 parameter table and wish to see the drive's configuration table simply press the **F4** key. Pressing it again will return you to the parameter table.

F5 – Fault Word window: Pressing this key will bring up the fault word display without having to leave the screen that you are on. This key is active only when the ITS is on–line with a drive.

F6 – Fault Queue window: Pressing this key will display the fault Queue (buffer) without having to leave the screen you are on. This key is active only when ITS is on–line with a drive.

F7 – Table Monitor window: Pressing this key will display the monitor screen. This key is active only when the ITS is on–line with a Drive.

F9 – Number Conversion Function: Used to convert a number between Binary, HEX, Decimal, Signed.

F10 – Context Sensitive Help: Pressing F10 will give you context sensitive help about the highlighted command, parameter, or displayed error message.

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