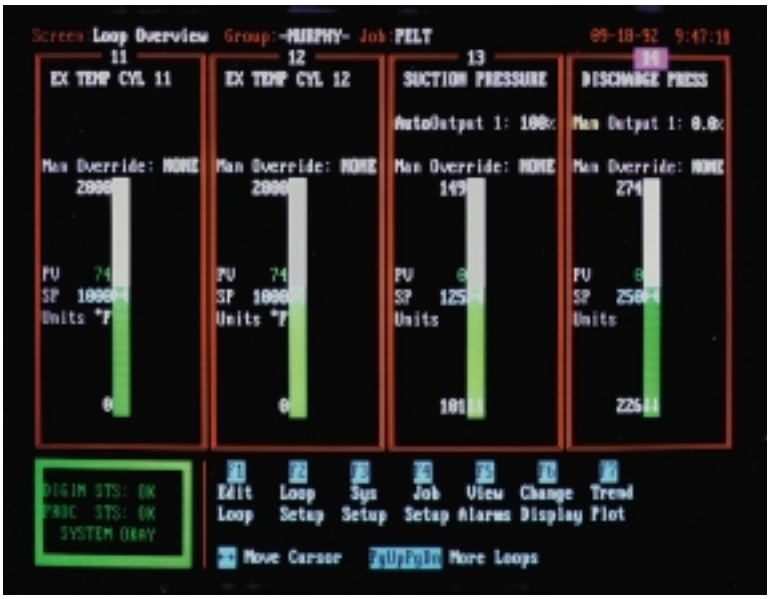
Measurement, Control, and Data Acquisition Software



MURSOFT™ CS

- Graphics and Data Acquisition
- Menu Driven
- Password Protected Menus
- Text or Lotus Files
- IBM compatible
- Color or Monochrome Display
- Maintenance Reminders

Description

MURSOFT™ CS is an easy to use, menu driven, data acquisition and control software package. It runs on IBM PC and compatible computers with a minimum of 640K RAM. Combined with the CS2001 Control/Scanner, MURSOFT™ CS creates a powerful system that is quick and easy to install. A question and answer format enables even inexperienced computer users to quickly define and set-up any process application.

Features

True Distributed Control: The CS2001 maintains fully independent control of each loop/input and also includes alarm checking. This protects the process and frees the computer for supervisory functions such as graphic displays and data acquisition.

Quick Setup: A short configuration program is all that is needed to setup a system. Enter the number of controllers, the number of inputs per controller, and a master password and MURSOFT™ CS is ready to run.

Easy to Operate: MURSOFT™ CS interacts with the operator at each step, prompts for each input, and displays the allowed range. The result is a system that is reliably used by operators without extensive training.

See Useful Information: MURSOFT™ CS presents operating data linked directly to the process. Loop/inputs can be identified by 16 character alphanumeric labels. Loop/input data is in engineering units, and alarms can have pre-programmed alphanumeric messages. The result is a clear understanding between what appears on the display and what is happening in the process.

Graphic Trending: When any loop/input is checked, the data is ready for a quick plot, over a specified history from 5 minutes to 1 week. Plots are always in engineering units.

Problem Solving: When an alarm occurs, MURSOFT™ CS switches to an alarm acknowledge screen. The detail of the loop/input in alarm is displayed, a log of the event is made, and the operator is requested to acknowledge the alarm. Multiple alarms are logged in sequence, assisting in subsequent trouble shooting.

Rapid Process Changes: MURSOFT™ CS stores up to 256 jobs which are sets of operating conditions. As production requirements, materials, or other factors change, a new set of operating conditions can be instantly loaded.

Supervisor Security: Multiple Passwords allow different levels of access thus preventing unauthorized system changes. The integrity of alarm level settings, data recording, alarm logs, and other operations can be protected and a permanent record provided for any problem(s) which occur.

Data Acquisition: MURSOFT™ CS features comprehensive data logging including periodic printed reports, periodic logging on disk, and printed alarm reports.

Computer Requirements

Murphy recommends any IBM PC or compatible computer with 640K memory, a hard disk drive, a color monitor with an EGA Extended Graphics Adapter, and a dot matrix printer. The minimum configuration for MURSOFT™ CS is 512K memory, one floppy disk drive, and a color monitor with a CGA Color Graphic Adapter.

MURSOFT™ Displays

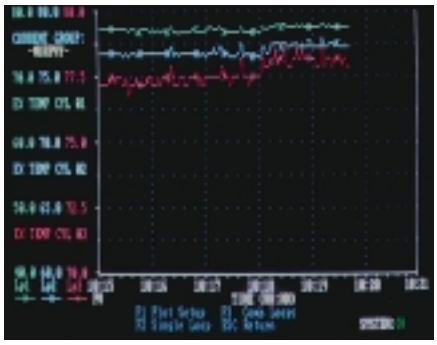
Process Overview

Process Overview ▲

The process overview display shows a unique combination of detailed and summary information. Process warnings and alarms, and system alarms are displayed in a color summary box. Four loop/inputs can be displayed in detail including setpoint, loop status, alarms, and an automatically scaled bar graph. Or you can view the status of up to 16 or 32 loop/inputs in tabular form while selecting a single loop/input for detailed display.

Graphic Trend ▼

The trend display plots for both history and real time data for 1 to 3 loop/inputs. The plot is in engineering units, with separately selectable high and low range for each loop. Each loop's plot can include the process variable, setpoint, and the percent output. For maximum flexibility, the plot time base is selectable from 5 minutes to one week.



Graphic Trend

Loop/Input Setup ▼

The loop/input setup displays all the detailed information for one loop/input and allows password protected editing of any item. Editing includes loop titles, input type and scaling, alarms with digital outputs and alarm messages, and single or dual output control setup.

Loop/Input Setup

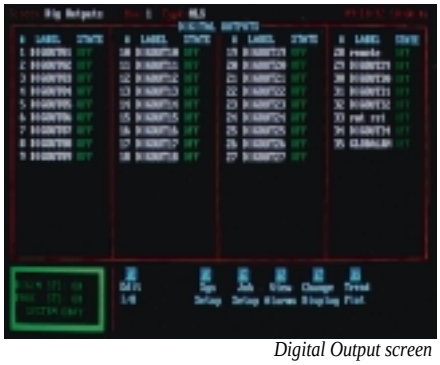
System Setup ▼

A password protected menu that selects all of the system operating data including passwords, data acquisition, and system alarm resetting. The data acquisition menu includes setting periodic intervals for printer and disk data logging for both normal and alarm data.

System Setup

Digital Outputs ►

The screen can be used to view the current digital output settings status and to force an output on or off. It is also a useful tool for testing or troubleshooting.



Digital Output screen

Digital Inputs ▼

This digital input screen shows the status of each input, the type of alarm programmed for each loop/input and the alarm message can be displayed. Maintenance timers are also viewed and set from this screen.

Digital Input screen

How to Order

Order part no. 35-00-0025.

MURSOFT™ CS comes with one 3-1/2 inch and one 5-1/4 inch DS, HD disk, operations manual and software activation key.

Registered MURSOFT™ CS users are notified of available updates.

In order to consistently bring you the highest quality, full featured products, we reserve the right to change our specifications and designs at any time.

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