

CRISP Automation Systems Documentation

Manual Number: MAN-WWS-SPD-030

Subject: CRISP Window Workstation 3.0 Software Product Description

Date Created: 08/13/2002 Revision 1.0 Date Revised: N/A

DESCRIPTION

CRISP Window Workstation is a color graphics operator station that utilizes Motif and X Windows. The CRISP Window Workstation uses a high-resolution color monitor for life-like graphic displays. Users create displays with a CAD-like drawing system called CRISPdraw™ to point and click to make objects, move objects, change colors, get pre-drawn symbols out of a library and to define dynamics.

The operator can "move around his process" by calling up various graphic displays and viewing them on the screen. These displays can be resized and moved to accommodate the specific needs of the operator. Dynamic information (eg., CRISP database tag names) are linked to symbols and numbers to show current values and states on the graphic displays. As the dynamic information changes, so does the display, giving the operator a real life view of the process. A library of standard and user-defined symbols may be used in any graphic display as many times as needed. These symbols can also be resized, rotated and their color changed once entered into a display.

FEATURES

- Windowing capabilities to view multiple areas of a process simultaneously
- High-resolution graphics, 128 colors
- Trending and graphics capabilities
- Unlimited number of displays per workstation
- Point and Click, mouse-based operation for ease of cursor movement and object selection
- Optional keyboard function-key operator entry
- Local calculations done at the workstation to off-load the host CPU usage
- Flexible dynamic color schemes
- Dozens of standard graph formats to display data (bar charts, line graphs, etc.)
- Direct Ethernet communications network connection
- A security system (user name and password) to limit access to certain features such as write access to variables, read access to certain displays, edit mode, printing, etc.
- Displays can be sent to workstations, even running other operating systems (Unix, Linux, Windows) via TCP/IP.

See the CRISP Window Workstation Reference Manual and the CRISPwindows User's Guide for more detail.

OPTIONAL FEATURES

Prepared By: Stanley Quayle Approved By: Kenneth Wild

Dept: Engineering

Dept: Quality Assurance

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- Meets FDA Part 11 requirements when the optional CRISP-WWSPLUS license product authorization key (PAK) is installed
- Multiple Window Workstations can be managed centrally with the optional CRISP Central Administration product

HARDWARE REQUIREMENTS

- Any system that supports OpenVMS.
- X Window display device, including a mouse
- Recommended for each Window Workstation instance: 4 MB of physical memory (VAX), 16 MB (Alpha)

SOFTWARE REQUIREMENTS

- OpenVMS Operating System, V5.5-2 or later (VAX); 7.2 or later (Alpha).
- DECwindows Motif, V1.1 or later; V1.2 or later (Alpha).
- Sending displays to other non-OpenVMS systems requires TCP/IP Services for OpenVMS (formerly known as UCX).
- Target CRISP systems must be running CRISP/32 V2.8-32 or later.

SOFTWARE LICENSING

This software product is furnished under the licensing provisions and Terms and Conditions of Sale of the Automation Software Products business of the CRISP Automation. The software can be licensed for a single CPU or for multiple CPU's.

SOFTWARE WARRANTY

Warranty for this software product is twelve (12) months from the time of shipment and is provided by CRISP Automation with the purchase of a license for the product. The software is warranted to conform to this Software Product Description.

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SOFTWARE SUPPORT AGREEMENT

This software product comes with a six (6) month software support agreement that includes new software releases, interim updates, remote diagnostic support and telephone consultation. The agreement can be renewed on an annual basis by the customer for a minimal fee.

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