

Chapter 6

Displaying Drawings

Introduction

This chapter explains how to display the dynamic drawings that represent the networks, PC groups, and systems in your facility. This section explains how to:

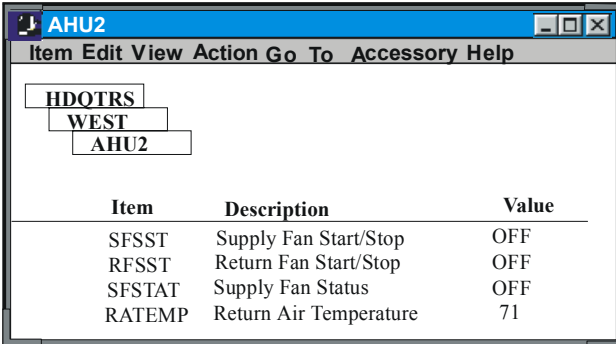
- display drawings

Note: Micrografx Designer and Draw software are not supported at Metasys Release 11.00 or later.

Key Concepts

Drawings Overview

The Metasys Operator Workstation allows operators to display your facility in both textual and graphical formats. Figure 6-1 shows a System summary with an air handling unit as a textual list of objects. Figure 6-2 shows a system drawing of the same system with graphical symbols representing the objects.



Item	Description	Value
SFSST	Supply Fan Start/Stop	OFF
RFSST	Return Fan Start/Stop	OFF
SFSTAT	Supply Fan Status	OFF
RATEMP	Return Air Temperature	71

Figure 6-1: AHU2 System Summary

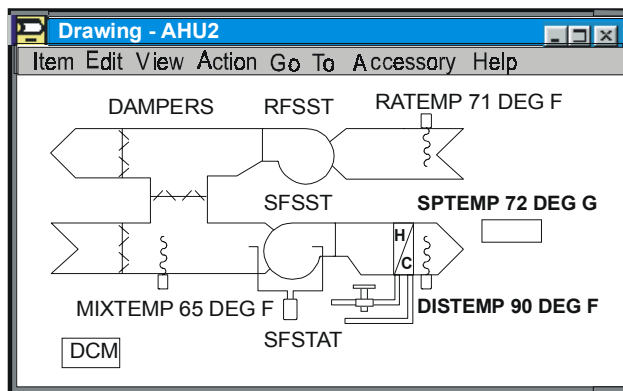


Figure 6-2: AHU2 System Drawing

Monitor Facility Conditions

System drawings allow operators to monitor facility conditions pictorially. The object's current value appears next to the object symbol. Analog Input objects update every 20 seconds. Analog Output and Binary Input and Output objects update whenever there is a change-of-state. Critical Alarm messages appear over the drawings, immediately informing operators of alarms.

Handles

All Windows applications use up or consume Windows handles. Every application uses handles, and 8,192 handles are available, including: Windows operating system, Metasys software, and Metasys graphics. The number of handles that each application uses is dependent on the contents of the application. For example, an average graphic uses around 500 Windows handles, although it may be more or less dependent on the complexity of the drawing.

A graphic with a lot of objects uses more handles than a graphic with just a few objects. Do not open several complex graphics that use a large number of objects at one time. If you use up all of the available handles, Windows operating system generates a General Protection Fault and you must reboot the system.

Detailed Procedures

Displaying Drawings

To display drawings:

1. On the View menu, click Show as Drawing.
2. Select the desired system.
3. On the GoTo menu, click Selected Item. The system appears as a drawing, displaying the current values and states of all bound objects.

Note: If the drawing has not been modified, and only the default symbols and default graphic binding settings are in effect, it appears complete.