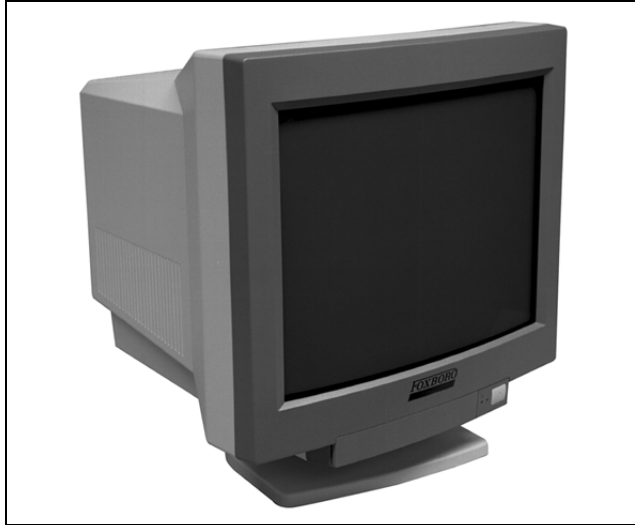


I/A Series[®] Hardware 20-Inch Workstation Display With/Without Touchscreen



The 20-Inch Workstation Display is an analog cathode ray tube (CRT) color monitor that supports multi-window display applications requiring ultra-high resolution. This monitor can include an optional touchscreen feature, and is suitable for mounting into a Modular Industrial Workstation, Modular Industrial Console (MIC), or on a desktop. The same display monitor is used in both applications, minimizing system space parts requirements. It can also support a mouse/trackball, alphanumeric keyboard, annunciator and annunciator/numeric keyboards, and a multi-tone audible alarm horn. The monitor utilizes a tilt and swivel base which affords the user optimum viewing capability.

Due to the differences in the magnetic fields between the northern hemisphere and southern hemisphere, there are unique versions of the 20-Inch Workstation Display. These are:

Unit	Northern Hemisphere	Southern Hemisphere
Tabletop	P0913AF	P0913AK
Touchscreen	P0913AG	P0913AL

The touchscreen mounts on the front surface of the monitor, and divides the viewing screen into a matrix of transparent selectable areas. The user selects display objects by touching them on the screen. The touchscreen senses the action and sends a data signal to the workstation processor's software, indicating the position of the screen. The touchscreen, annunciator and annunciator/numeric keyboard, and audible horn options are all supported by the Graphics Controller Input Output (GCIO) Interface unit. This interface allows connection of these options to the Workstation Processor 30 (WP30), the 50 Series Workstation Processor and Application Workstation as shown in Figure 1 and Figure 2. The GCIO multiplexes data for remote user interface devices located up to 100 ft from the Workstation Processors or Application Workstation contained in an Industrial Enclosure. The associated Application Processors or Application Workstation may also be located locally on a tabletop or in a Modular Industrial Workstation.

The GCIO interface unit comes in two configuration to support a 20-Inch Workstation Display for use on a desktop, or in an I/A Series Modular Industrial Workstation, or in a Modular Industrial Console.

GCIO
 (MODULAR INDUSTRIAL WORKSTATION VERSION)
 MOUNT INTERNAL TO MIW/MIC BAYS



GCIO
 (DESKTOP VERSION)

9 PIN TO TOUCHSCREEN
 CONNECTOR ON MONITOR

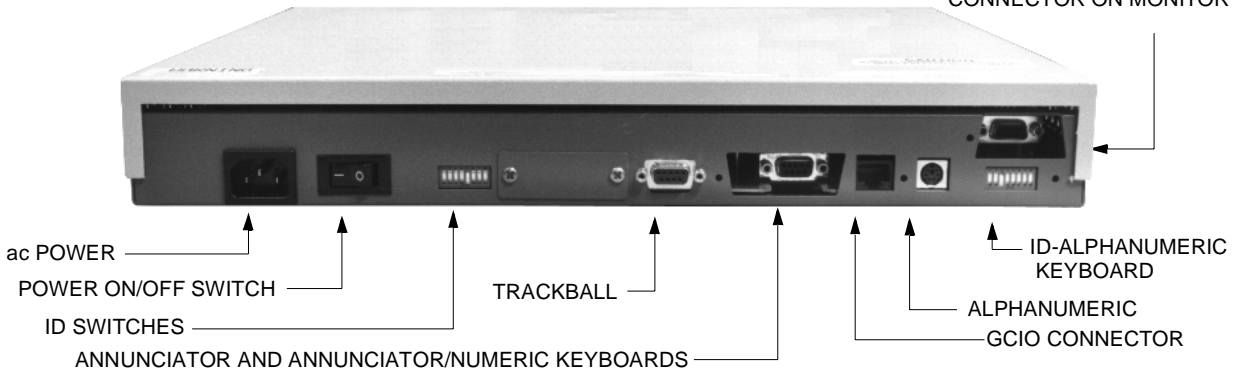


Figure 1. 50 Series GCIO Units

GCIO
 (MODULAR INDUSTRIAL WORKSTATION VERSION)
 MOUNT INTERNAL TO MIW/MIC BAYS



GCIO
 (DESKTOP VERSION)

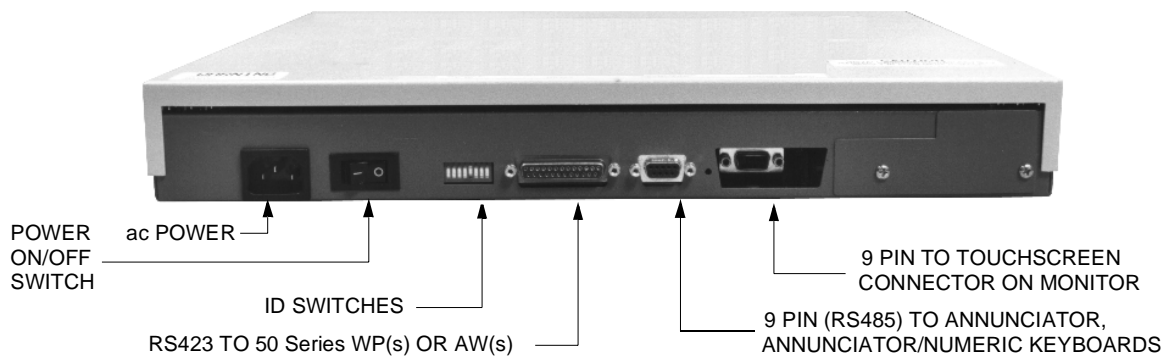


Figure 2. WP30 GCIO Units

FUNCTIONAL SPECIFICATIONS

Display Characteristics

PRESENTATION

Color

SIZE

20-inch (diagonal)

BAND WIDTH

60 to 100 mHz, ± 3 dB

DISPLAY MODE

66 Hz, refresh (50 Series)

60 Hz, refresh on 120 V ac (30 Series)

50 Hz, refresh on 220 V ac (30 Series)

RESOLUTION

Variable 640H x 480V up to

1280H x 1024V pixels

Touchscreen

TYPE

Capacitive glass

RESOLUTION

1024 x 1024 points

Input Characteristics

ANALOG SIGNALS

Red, green, blue, external horizontal synchronization

Power Requirements

INPUT VOLTAGE

Auto Select

90 to 132 V ac; 198 to 264 V ac

LINE FREQUENCY

50 and 60 Hz nominal, $\pm 5\%$

INPUT CURRENT

120 V ac

3.7 Amps

240 V ac

2.0 Amps

ENVIRONMENTAL SPECIFICATIONS

Operating Temperatures

10 to 40°C (50 to 104°F)

Storage Temperature

0 to +60°C (32 to 140°F)

Operating Humidity

10 to 80%, @40°C (non-condensing)

Storage Humidity

5 to 90%, @40°C (non-condensing)

PHYSICAL SPECIFICATIONS

Mass

DISPLAY

32.5 kg (71 lb)

GCIO (DESKTOP)

6.32 kg (14 lb)

GCIO (WORKSTATION)

2.9 kg (6.4 lb)

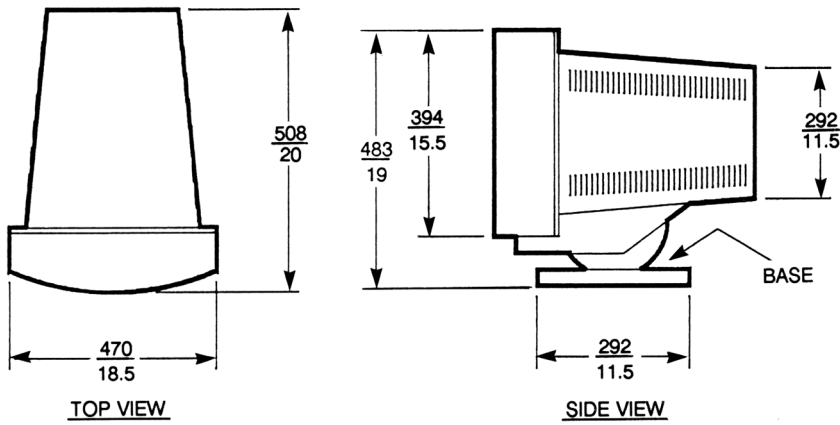
Mounting

Desktop, Modular Industrial Workstation,

Modular Industrial Console

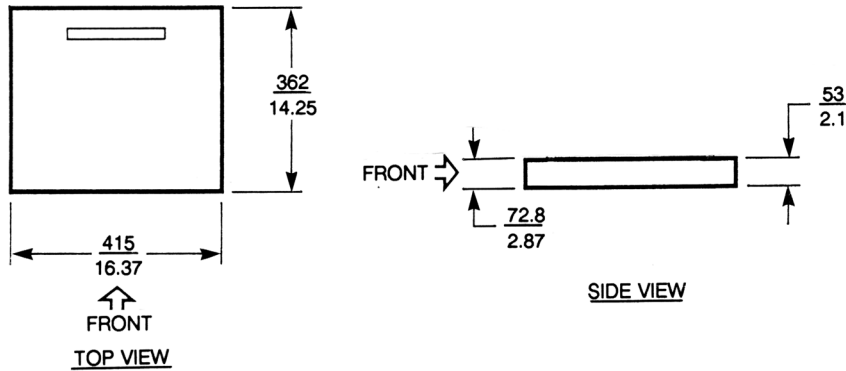
DIMENSIONS—NOMINAL

mm
in

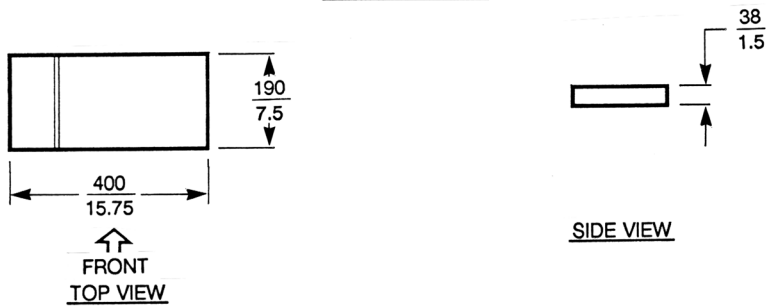


19-INCH DISPLAY MONITOR

20-INCH DISPLAY MONITOR



GCIO - DESKTOP



GCIO - MODULAR INDUSTRIAL WORKSTATION BAY

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