Getting Started Document for Andon

Process Control Board Display

11/10/2014

This document provides information on the specifications, wiring connections, dimensions for mounting and recommended maintenance for the Process Control Board Display.

Process Control Board Display

UTICOR

1. Introduction

Our Process Control Board Display is a 55" monitor with an anti-glare screen and full HD 1920 x 1080 resolution for sharp, crisp images. Designed to meet NEMA 12 standards, this monitor can communicate over Gigabit Ethernet for fast and convenient use.

2. Specifications

MEMORY

Ram: 4 GB
Hard Drive: 240 GB SSD
Processor: Intel i3 3.4 GHz Dual Core
Motherboard: Mini ITX form factor
Operating System: Windows 7 Professional 32bit

POWER

Power Supply Range: 115VAC to 230VAC
Max Power Consumption: < 150 Watts
Power Consumption (typical): 120 Watts

MECHANICAL DATA

 Housing
Dimensions: 51.2" x 31.5" x 6.1"
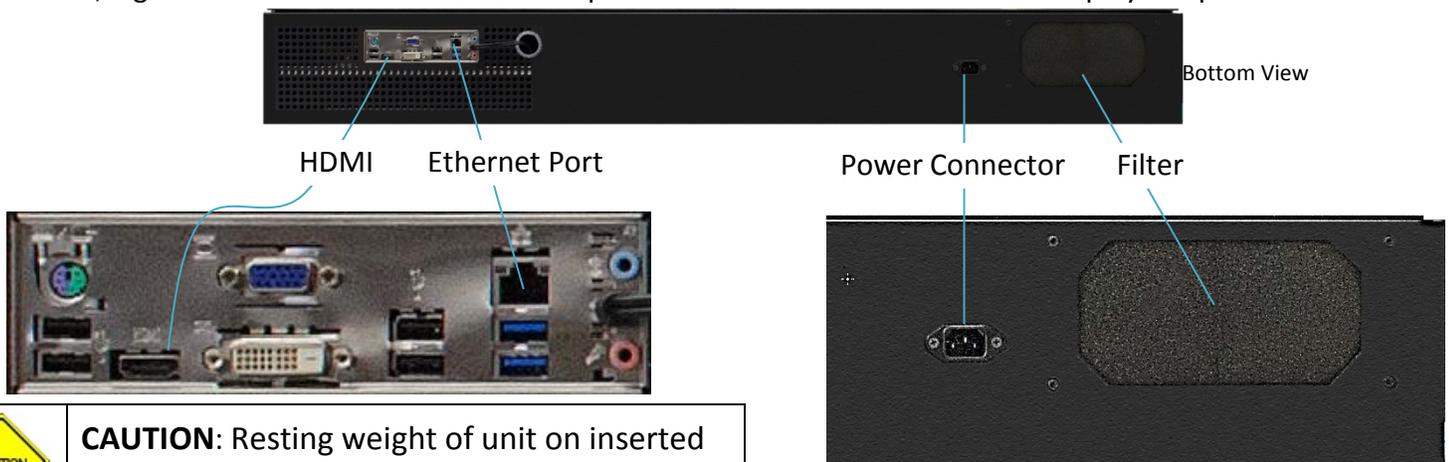1300.0mm x 800.1mm x 154.3mm

Weight: 141 lbs.
 Ratings
Enclosure: Industrial NEMA 12 standards

DISPLAY

Diagonal Viewing Size	54.6" (1386.84mm)
Optimal Resolution	1920 x 1080 @ 60Hz
Aspect Ratio	Widescreen (16:9)
Pixel Pitch	0.21mm (W) x 0.63mm (H)
Brightness (typical)	350 cd/m^2 (typical)
Color Support	16.47 million colors
Contrast Ratio	3000:1 (typical)
Viewing Angle	178° vertical / 178° horizontal
Response Time	8 ms
Backlight	LED light bar system
Display Screen Coating	Antiglare with hard coating 3H, 2% Haze

3. Wiring and Communication

Use the image shown below to connect power and to locate the Ethernet and HDMI port. Once power is connected, a green LED will turn on and the computer board inside the unit and the display will power on.

Bottom View

HDMI   Ethernet Port   Power Connector   Filter

CAUTION

CAUTION: Resting weight of unit on inserted cables may cause cables to break.

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Process Control Board Display

4. Dimensions and Mounting
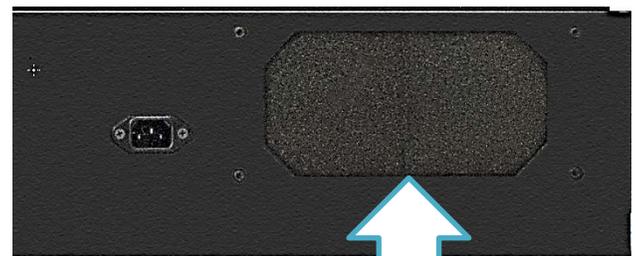
Unit: inches [mm]

5. Maintenance

Cleaning Filters

On a semi-annual basis, it is recommended to clean the two foam material filters from the two fans on the bottom corner of the unit. In order to do so, please follow the steps outlined below.

1. Remove the two foam filters from unit.
2. Wash filters with warm water and soap.
3. Allow to completely dry away from the unit.
4. Re-insert filters into the unit.

Note: If desired, new filters can be procured from Uticor Technologies under part #UT-PCB-FILTER.

Pull filter through opening to remove for cleaning.