



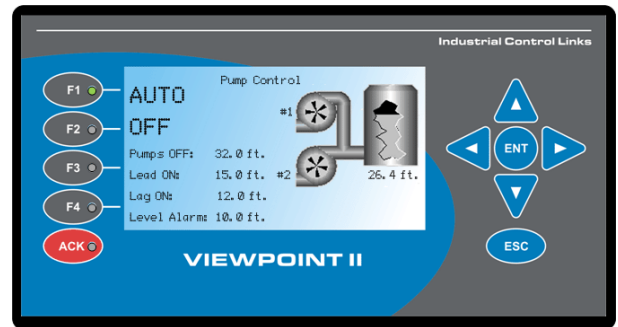
PINNACLE SERIES

Product Data Sheet

Viewpoint II - Panel-mount graphical HMI for Pinnacle Series controllers

Features:

- 3.75" 240 x 128 Graphical Backlit LCD Display
- Display up to 16 lines of 40 characters each – scalable fonts
- Programmable backlight
- Animation and graphics from library and user custom
- Point-and-click configuration in ScadaWorks software
- 5 programmable function keys with LED indicators
- Programmable beeper for alarms and key-click
- Sealed for NEMA4/IP65 Front Panel Mounting
- USB Power and Data for Fast Installation – no external power
- Ethernet for multi-unit access with a single HMI panel
- Extended Temperature - -20°C to $+70^{\circ}\text{C}$
- 3-year warranty on parts and labor



Viewpoint II – A reliable user interface for easy access to process variables, setpoints, data logs and alarms in Pinnacle Series SCADA controllers as well as Ascent, Sprite and Solaris I/O modules/RTUS. When used on an Ethernet network, a single Viewpoint HMI can access multiple SCADA controllers and I/O modules/RTUs over a large area.

No Programming Required –The screens on the Viewpoint II are contained within the programmable SCADA controller(s) and I/O modules/RTUs, so no local programming of the HMI unit is required. For the programmable SCADA controllers, the screens are configured as part of the ScadaWorks development package and uploaded over the data link as needed. In I/O modules/RTUs, the screens are configured via their built-in web pages. All screens are defined with point-and click menus and fill-in-the-forms ease. No importing and exporting of tagnames is required, and remote updates to screens are easily made, typically without requiring an on-site call.

Integrated Alarm Notification – Pop-up alarm screens, a separate “Alarm Ack” button and a built-in beeper simplify notification and acknowledgement of alarms with minimal user training.

All Data Types – Viewpoint II HMIs can be configured to access any type of variables, setpoints, alarms and data logs with security access levels defined by user names and passwords. All data types are supported, from bits and integers to 32-bit floating point values and strings.

Secure Communications – Viewpoint II HMIs utilize AES encryption to secure networked message traffic. This is the same proven encryption technology originally developed for US National Security and adopted as the standard for military, banking and other high security applications.

Configurable Function Keys – Four configurable “soft” function keys with programmable LED indicators are located to the left of the LCD display.

Programmable LED Backlight - Viewpoint II has a programmable LED backlight to easily accommodate differing lighting levels. The backlight can be flashed to get an operators attention.

Power Management – Viewpoint II HMIs have multiple power management options to optimize power usage, especially useful in battery backed and solar powered applications. For example, unused communications interfaces automatically power down, and the LED backlight can be configured to turn OFF after a configurable time period; automatically turning ON again whenever a key is pressed.

Rugged Reliability – Viewpoint II HMIs are rated for continuous operation and 100% tested beyond their extended temperature range of -20°C to 70°C , No more fans, filters or heaters required by others to operate in harsh environments! And like all ICL products, Viewpoint II HMIs are backed by an industry leading 3-year factory parts and labor warranty.

Display

Display Type: Graphical LCD, 128 x 240 pixals, 3.75" Diagonal - 1.76" x 3.30" (44.8mm x 84.0mm)
Backlight: LED Backlight (user configurable,/programmable)

Character Format: 16 lines by 40 characters (1x font)
Character Size: .08" x 0.11" (2.1mm x 2.8mm) (1x font), x2 and x4 fonts are also included.

Keyboard

Type: Sealed membrane with tactile and key-click feedback
Function Keys: 5 function keys, with LED status indicators (user programmable ON/OFF/flashing)
Password Protection: Password can be activated for any screen, 16 security levels (in SCADA controllers)

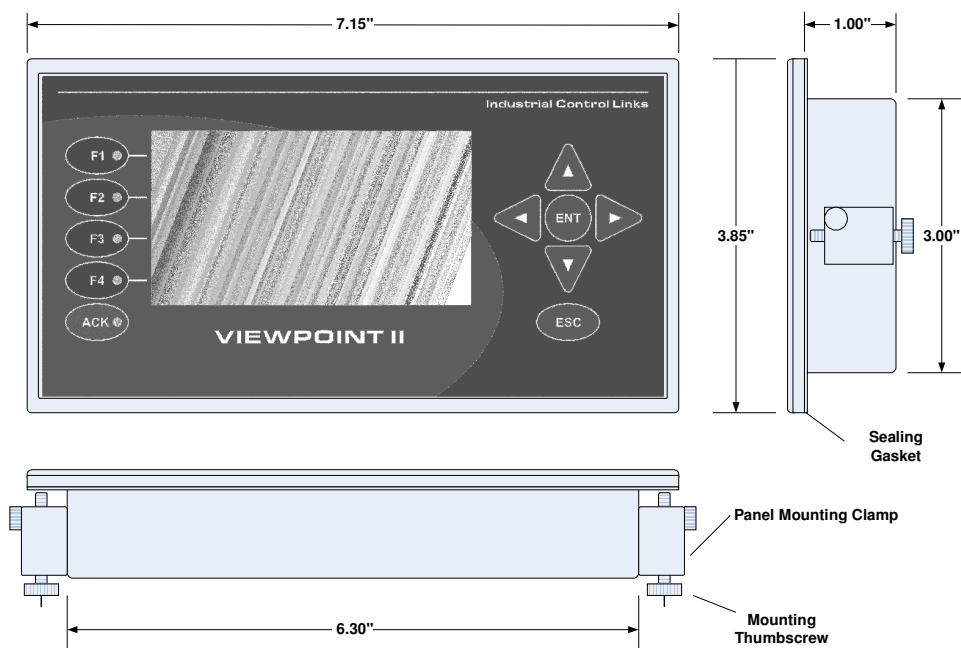
Memory & Communications

Memory 8 MB SDRAM for graphical image storage
Encryption AES-128 (to Pinnacle SCADA controllers, and Ascent , Sprite and Solaras I/O modules/RTUs)
USB USB 2.0 - Full Speed (12 Mb/s maximum)
Ethernet 10/100 Mb/s, RJ-45 twisted pair interface, Auto MDX (no crossover cables required)

General

Enclosure Rating NEMA 4, IP65
Mounting Panel mount – 3.1" x 6.4" cutout, 2 removable clamps with thumbscrews (supplied)
Operating Environment - 4°F(-20°C) to 158°F (70 °C), 5%RH to 95% RH, non-condensing
Power Supplied via USB, or 10 to 30Vdc via separate power connector (supplied) when using Ethernet
0.1W typical (backlight off), 2.5W max.

Warranty 3 years, factory parts and labor



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