ViewPoint Connect Base Panel
Part Number: 166609

Description/Overview:

The ViewPoint ("VP") Connect Panel is a central connection device for a hard wired ViewPoint system and is a one-for-one replacement for the AmegaView Environmental Monitoring System AS-Connect Panel.

Features:

- Supports four module types: Inputs-- Analog (4-20 ma, 0-5 V or contact closure), RTD, Thermistor, and Type T Thermocouple, Output-- Relay/Dry Contact
- Depending on the selected I/O Modules, the VP Connect accommodates 32 to 48 input or output channels (8 or up to 12 per slot x 4 slots)
- RS-485 serial communications port to connect to an AmegaView Gateway

Figure 1: ViewPoint (VP) Connect Panel (Front view)

Specifications:

Size	20" W x 24" H x 8.75" D (Refer to Figure 1)
Weight	55 – 60 lbs (Without backup batteries) 70 – 75 lbs (With two backup batteries)
Input/Output Modules	1 – 4 I/O Modules: Analog, RTD, Thermocouple, and Dry Contact/Relay Output
Input Power Requirement	50 – 60 Hz 100-240 V AC, 1.0 – 2.1 A
Internal Power Supply	24 V DC, 3.0 A
Backup Batteries	Two rechargeable 12 V DC lead acid batteries wired in series
Backup Battery Weight	Each backup battery weighs approximately 9 – 10 lbs
Battery Run Time	Up to 4 hours continuous run time
Wall-Mounted Cleat	Secured to ¾" – 1" thick plywood coated with a fire-retardant paint. Secured with five (5) 1" length, #14 metal screws
Wall Load Bearing Requirement	The VP Connect is mounted on a wall that must have a load vertical bearing capacity of at least 300 lbs
Wall Mounting Methodology	The VP Connect is vertically mounted on a wall and hung on a Wall Mounted Cleat. In addition, the VP Connect is secured to the mounting wall with two 1" length #14 metal screws at the bottom of the panel no more than 6' from ground.
Controller	Windows Embedded Standard 7 operating system
Front Panel Door	Removable hinged panel door with a key lock
Operating Environment	+5° C (+41° F) to +50° C (+122° F) %RH: 0% - 70% No direct contact with liquids
Analog I/O Module	12 channel Analog Input module accommodates 0-1V, 0-5V and 4-20mA measurement capability
RTD I/O Module	8-channel RTD module provides RTD input measurement, either 2 wire or 3 wire, of various types of RTDs: 0.00385 Ω/ Ω/deg types PT-100, PT-200, PT-500 and PT-1000
Thermocouple I/O Module	12-Channel Thermocouple input module provides measurement capability for types J, K and T thermocouples
Relay I/O Module	12-channel Relay output module accommodates dry contacts rated for up to 2 amps
Ethernet RJ-45 Data Ports	Accommodates Cat-5 input wiring, or use existing network cabling for sensors
Max No. of VP Connect Panels per Gateway	10 connected via RS-485 network
Co-Existence with AS-Connect Panel on RS-485 Network	Both AS-Connect and VP Connect simultaneously connected on the same RS-485 network.
Memory Storage Capacity	A minimum of fourteen (14) days of data logged at a 15 min scan rate

VP Connect Components and Product Codes are summarized in Table I.

Table I – VP Connect Product Codes and Components

Product Code	Figure No.	Description
166557		Spare Part VP Connect PCBA for 12-input (11 Channels Usable) Analog Module. Board offers both RJ-45 and screw terminal wire connections. Not to be sold individually except as a service part replacement.
166560		Rev A - VP Connect 8-Channel RTD Module with RJ-45 PCBA Connections (for use with RTD probes ONLY).
166567		Spare Part VP Connect Signal Harness Assembly, 33". Not to be sold individually except as a service part replacement.
166574	3	Spare Part VP Connect 12-Input (11 Usable Channels) Analog Module used for 4-20 mA, 0-5 Volt and thermistor type sensors. Not to be sold individually except as a service part replacement.
166575	2	VP Connect 8-Channel RTD Module ONLY (for use with RTD probes ONLY).
166576	4	12-input Thermocouple Module only used for connection of Thermocouples in the VP Connect Panel.
166577	5	VP Connect 12-Output Relay Module ONLY (for use with Alarms, Lights, Relay Closure Control).
166603		Spare Part VP Connect DC Power Harness Assy. Not to be sold individually except as a service part replacement.
166609	**1**	VP Connect Bare Panel with 4 available Module slots for hardwired systems.
166610		Rev A - VP Connect Analog PCBA Kit with both RJ-45 and screw terminal connection options. For use with Thermistor probes, 0-5V/DC inputs, 4-20mA inputs, and Contact closure detection.
166611		Rev A - VP Connect 8-Channel RTD Module with RJ-45 PCBA Connections (for use with RTD probes ONLY).

Refer to Figures 2-5 for pictures of the Analog, RTD, Thermocouple, and Relay I/O modules, respectively.

*Figure 2 - 8-Channel RTD **Input** Module*

*Figure 3 - 12-Channel Analog **Input** Module*

*Figure 4 - 12-Channel Thermocouple **Input** Module*

*Figure 5 - 12-Channel Relay **Output** Module*

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