PT-8000 Tridium Niagara 4$^©$ Training Unit

Building Automation   HVAC Controls   Energy Management   DDC Programming

Overview

  The PT-8000 is a portable "Suitcase" training unit specifically designed for Building Automation system integrators who utilize the Tridium Niagara 4 Framework® platform and the Jace 8000® series controllers. The web-enabled Jace 8000 DDC controller allows the student to access the Trainer using a standard web browser and JAVA® modules or by using the HTML5 profile. All of the DDC devices are interfaced with the main controller via hardwired or network connections. The touchscreen thermostat is a Viconics VT8600® series programmable controller that communicates via BACnet MSTP. The 16 point "NRIO" (Niagara Remote IO) module communicates via RS-485. A Viconics VT7200® communicating thermostat provides a LON device interface. A

Senva EM® series meter module communicates via Modbus RTU. Three physical inputs: One push button switch, two 10k 10-turn pot and one SPST switch allow for simulation of live inputs. A TP-Link Wireless router provides wireless and hardwired Ethernet access. The PT-8000s can be operated stand alone or easily networked together for use in a learning center environment. A "Startup Demo" station

allows for initial orientation to the PT-8000. The Demo station can be modified or replaced to meet the requirements of the specific instruction program. The rugged, weatherproof case has a built-in handle and a removable cover. The case can be permanently mounted to a tabletop using the integral mounting slots.

Components

DDC Controller, Web enabled, JACE 8000 series, with permanent BACnet, LON, Modbus licenses

16 point "NRIO" Input/Output module with RS-485 interface

Programmable Viconics 8600 series RTU controller with BACnet MSTP interface

LON communicating Viconics 7200 series FCU thermostat

Senva EM RS-485 Electric meter module with Modbus/BACnet interface

Instrument panel with Input devices and 24vac posts for auxiliary device power

Wireless Ethernet access point 10/100mpbs

Specifications

Power Requirements	50w 120vac 60hz
Operating Temperature	55°F to 85°F
Storage Temperature	10°F to 110°F
Relative Humidity	10 to 95% RH non-condensing
Mounting	5/16" carriage bolts (2) optional
Shipping Weight	20 lbs (not including workbooks)
Dimensions	18.5"W x 14"H x 7"D (w/cover)

Curriculum Options

DDC/PT8000DEMO	Startup station with pre-configured network drivers and device profiles. No core curriculum included. Intended for use by Tridium certified AX/N4 system training programs and/or System integrators who are Tridium AX/N4 certified.