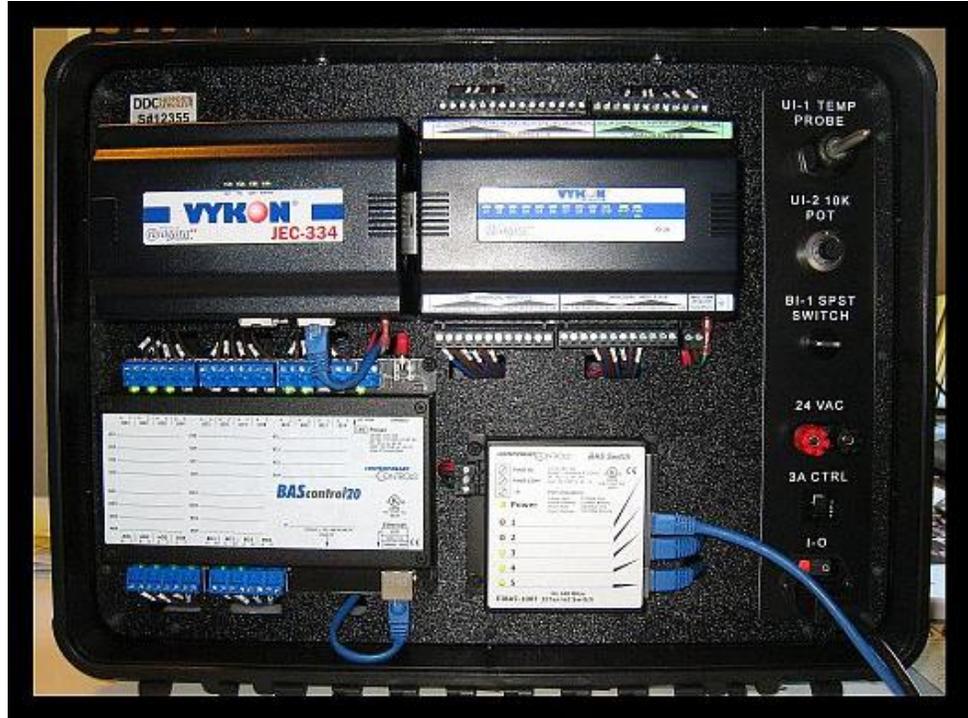# PT-78   DDC Programmer Training Unit

Building Automation   HVAC Controls   Energy Management   DDC Programming

Overview

The PT-78 is a portable training unit specifically designed for the DDC (Direct Digital Controls) industry. It is packaged with curriculum that is both embedded in the Trainer and contained in a written workbook resulting in a highly interactive student – trainer experience.   The PT-78 is designed

specifically for training DDC programmers who work with Tridium Niagara software and devices. Graphical object oriented programming is presented using the embedded Niagara AX Framework and the non-proprietary Sedona Framework®. The web-enabled DDC controller allows the student to access the Trainer using a standard web browser and JAVA SE®. All of the DDC devices are interfaced with the main controller via hardwired or network connections. The BAScontrol20 is a unitary Sedona / BACnet programmable controller. The PT-78s can be operated stand

alone or easily networked together for use in a learning center environment. 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 300 series, with permanent BACnet, LON, Modbus licenses

34 point Input/Output module with integral power supply

Programmable Sedona 20 point unitary controller with BACnet IP, and web interface

Instrument panel with Input/Output devices and 24vac posts

5 port Ethernet switch 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/HVAC-501	DDC Sedona Controller Programming for HVAC and Building Automation
DDC/PT78SHELL	Startup station with pre-configured network drivers and device profiles. No core curriculum included. (Only avail. for established DDC training institutes)