



## BL-01 BAS Controller Training Unit

**Building Automation   HVAC Controls   Energy Management   DDC Programming**

### Overview

The BL-01 is a low cost benchtop training unit specifically designed for the HVAC and building automation industry. The controller has built-in web-based dashboards. All inputs and outputs are pre-wired, allowing for an efficient hands-on experience. The BL-01 is designed specifically for training DDC/BAS technicians and programmers who work with programmable unitary controllers. Graphical object oriented programming is presented using the non-proprietary, open-licensed Sedona Framework® developed by Tridium. The program can be backed up and restored using the provided Toolkit software. The

BAScontrol22 is a unitary Sedona / BACnet IP programmable controller. Programming is done using the included SAE® (Sedona Application Editor). Students create programs in the unitary controller that control the output devices allowing them to experience the results of their programming in real-time. The BL-01s can be operated stand alone or easily networked together for use in a learning center environment. A USB drive is included



containing a Basic BAS Setup and Programming Course, setup instructions, a wiring schematic, Sedona component descriptions and some basic programming Sequence of Operations (SOO).

The BL-01 DDC/BAS Programming system can be purchased in three versions:

BL-01-Bc22 – Contemporary Controls BAScontrol22 controller, BAS Toolkit software, Intro to Sedona Course Curriculum (USB Drive). Signal generator 0-10v/4-20mA. Full 1 yr. warranty.

BL-01-EG10 – Tridium Niagara N4 10 point Edge10 controller, Startup demo station only, N4 User Documents (USB drive), no curriculum. Signal generator 0-10v/4-20mA. Full 1 yr. warranty.

BL-01-DIN - DIN rail mount (No controller included), BAS Toolkit software. Limited 1yr. warranty. No curriculum included. Note: DIN rail model requires some final user wiring due to lack of controller.

## Components

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Programmable Sedona 22 point unitary controller with BACnet IP, and web interface

Instrument panel with Input/Output components and 24vdc posts

0-10 vdc Digital meter

24VDC 1.5A Wall adapter

Signal Generator 0-10vdc/4-20mA

USB Drive with Course Curriculum and Setup/support documents

## Specifications

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Power Requirements	10w 24vdc (via 120 vac to 24vdc Wall adapter)
Operating Temperature	55°F to 85°F
Storage Temperature	10°F to 110°F
Relative Humidity	10 to 95% RH non-condensing
Mounting	Benchtop
Shipping Weight	15 lbs
Dimensions	10"W x 10"H x 6"D

