

BASview-3

Supervisory Graphical Interface for Control Systems

The BASview3 is a standalone, embedded, web-based graphical interface which provides scheduling, alarming, trending and control for networked building automation and process/access control systems. It's powerful 1.2 GHz quad-core ARM Cortex CPU with 1GB of SDRAM memory and a 10/100 Mbps Ethernet port deliver lightning-fast performance paired with the Linux operating system for enhanced security and stability. A super cap-backed real-time clock allows for timekeeping and reliable scheduling in the case of power loss. The BASview3 is simple to install and use. The BASview3 is housed in a DIN rail mounted metal enclosure and it is 24VAC/ VDC powered for convenient installation. A 10/100 Mbps Ethernet connection is all that is needed for communication. Supervisory features include animated graphic screens, scheduling, historical trending, runtime accumulation and email alarms. BASview3 will automatically toggle outputs and change setpoints on schedule, collect runtime and trend data, and monitor alarm conditions. Templating feature allows recreating content quickly and easily. Database backup and restore feature to a file on local disk provide system configuration and trend data piece of mind.

Installation

Power Connection

The BASview3 requires **24 VAC/VDC** while drawing no more than 10 W or 8 VA of power. The recommended conductor size is 16–18 AWG or up to 2x 1.5mm wires.

WARNING: Internally, this device utilizes a half-wave rectifier and therefore can only share the same AC power source with other half-wave rectified devices. Sharing AC power with full-wave rectified devices is NOT recommended. Devices powered from a common AC source could be damaged if a mix of half-wave and full-wave rectified devices exists.

Important: Avoid removing power from the BASview3 unit without properly shutting it down by selecting: “Server Functions” in the system menu, then selecting “Shut Server Down”.

Interface

All set up and user interactions are performed using a web browser. No dedicated PC or external applications are required. The BASview3 is designed to automatically adjust to any screen size and orientation. This allows it to be used in browsers on a PC, tablet or mobile phone with no changes or special effort necessary.

Installation Guide

Electrical

INPUT	DC	AC
Voltage:	24 V	24V
Power:	10 W	8 VA
Frequency:	N/A	47-63 Hz

Environmental

Operating temperature:	0°C to 70°C
Storage temperature:	–40°C to +85°C
Relative humidity:	10–95%, non-condensing

Functional

	Ethernet
Physical Layer:	10BASE-T 100BASE-TX
Cable length limit:	100 m



Web Page Configuration

The BASview3 has a default IP address configuration set from the factory. Perform these steps after powering the unit.

1. If your PC's network card is not set to use **192.168.92.x** with subnet mask of **255.255.255.0**, you may need to temporarily set your PC's network card to use these network settings.
2. Open a web browser on your PC, and in the address bar, type “**http://192.168.92.68**” and press “Enter”.
3. You will see the BASview3 login screen. Log in to the unit with the username of “**admin**” and password of “**pass**”. The default administrator password should be changed as soon as possible. Select “Users & Groups” from the system menu to access the User Database.
4. The default IP address needs to be changed, select “Edit Settings” from the system menu, then select “Network Settings”. **After changing the network settings, double check you have the correct settings.** Lastly select “Reboot Server” from the “Server Functions” menu. The unit will be accessible on the newly assigned IP address.

Software Features

- Dashboards with over 20 gadgets, including containers to embed graphics, trends, schedules and remote HTML content.
- Internally maintained schedules with sunrise/sunset and staggered starts.
- Trend collection into storage database, display and export.
- Runtime accumulation with email notification.
- Alarm condition monitoring with email notification.
- Calculated point values (average, min, max, etc).
- Python scripting language for simple control logic.
- Template system for quickly cloning points, dashboards, devices or entire networks
- Database of up to 100 users and 100 user groups with multiple simultaneous users.
- Activity log for tracking important user actions.
- Calculations may be performed on data points when read and/or written (e.g. Deg. F to Deg. C or scaling).
- Support for up to 2,000 tree nodes which can be any combination of points, dashboards, trends, etc. There are no hard limits on individual nodes but practical limits on control points will depend on communication speed and network bandwidth used.

Recommended web browsers:

- Windows: Chrome
- iPhone/iPad: Safari
- Linux: Chrome
- Android: Chrome

Default Configuration

Using Google Chrome web browser will ensure maximum graphical compatibility of web pages.

IP Address: **192.168.92.68**

Netmask: **255.255.255.0**

Gateway: **192.168.92.1**

Web server (HTTP) port: **80** (does not need to be typed in the browser address field)

Administrator Username: **admin**

Administrator Password: **pass**

ATTENTION: The default login password must be changed before the BASview3 can be used or its system configuration altered. The password must be at least 8 characters long and it must contain at least one letter and one number. This ensures authorized access to the BASview3 only.

Mounting Options

DIN rail mounted enclosure

Physical Dimensions: 3.94 x 3.73 x 1.61 inches (100 x 95 x 41mm)

Reset IP or Credentials

If you need to recover the network settings and/or administrator credentials, press and hold down the RESET switch on the front of the unit with a pin until the STAT LED goes rapidly flashing. Wait about 30 seconds after the STAT LED goes off to reach the unit on default IP address with default credentials. Do not power-cycle the unit. It will be available at the default configuration for IP address and user credentials after the reset procedure.

Graphical Features

Dashboards with Over 20 Gadgets



PC, Tablet and Phone Compatible



Historical Trends



Built-in Schedules

Monday	✕	18:00s to 08:00p	✕
Tuesday	✕	07:00s to 06:00p	✕
Wednesday	✕	08:00s to 09:00p	✕
Thursday	✕	08:00s to 06:00p	✕
Friday	✕	08:00s to 06:00p	✕
Saturday	✕	06:00s to 12:00p	✕
Sunday	✕	06:00s to 12:00p	✕