BUILDING AUTOMATION PRODUCTS

VERASYS®
CONTROL SYSTEM
SUPERVISORY CONTROLLERS

SBH200

SMART BUILDING HUB

The Smart Building Hub is the base controller for the *Verasys*® Building Automation System and provides wired and wireless connections and plug and play configuration between all Smart Equipment layers and controls.

Offering many-to-one, multi-client connectivity, the Smart Building Hub is a web based control system that provides an intuitive user interface to any supported smart equipment and Johnson Controls branded field controllers and thermostats.

The Smart Building Hub has a USB Wi-Fi access point, and allows personnel to use an intuitive, browser-based interface to access advanced features like fault detection, alarms, and point configuration.

The Smart Building Hub can be connected to an Ethernet backbone to enable remote connectivity and additional features like email alarms.

The Smart Building Hub user interface scales to the device you are using. On a computer screen, mobile phone or tablet, the main menus and screens are side by side.

Supported Controllers

The *Verasys* 3.x control system fully supports smart equipment devices, including the flexible PEAK® and *Verasys* Application Controller (VAC) series of HVAC/R controllers and a wide variety of configurable terminal unit controllers and thermostats as the Advanced Terminal unit Controller (ATC), TUC03 Plus and TEC36xx series.

FEATURES

- **Plug & Play –** Provides access to all identifiable and supported devices connected to the field bus without the need of any tool.

- **Remote Access –** Allows you to access device information through any supported web browser via secure connection and access level.

- **Alarm Notifications –** When connected to Internet, e-Mails can be configured to alert in case of alarms.

- **Space Views –** Space views provides a quick snapshot of what each space is doing and the ability to intuitively change the space working conditions.

- **Data Share –** Allows to share meaningful data between smart system components.

- **Advanced Features –** Allows to view alarms, events, and trends. Also to modify schedules and commission devices.

- **Schedule Synch –** Allows to view synchronize schedule between different smart system components and to access them for monitoring and editing from a single view.

- **Global Schedule –** Allows to view synchronize schedule between different smart system components and to access them for monitoring and editing from a single view.

- **Interlocks to *Verasys* IOMs Application Controller –** Connect different systems through IOMs Application Controller, into the *Verasys* Network.

Johnson Controls

SBH200 - SUPERVISORY CONTROLLERS

ORDERING INFORMATION

CODE	DESCRIPTION
LC-SBH200-0	*Verasys* Smart Building Hub 200 with Wifi Dongle

CONTROLLERS

CODES	DESCRIPTION
LC-VAC1000	*Verasys* Application Controller 18 Points 24 VAC – No Application
LC-VAC1100	*Verasys* Application Controller 18 Points 240 VAC – No Application
LC-VAC3000	*Verasys* Application Controller 18 Points 240 VAC – No Application

ACCESSORIES

CODES	DESCRIPTION
ACC-PWRKIT-1E24	SBH200 24 VDC Power Adapter for Europe
ACC-WIFIKIT-0DU	SBH200 WiFi Dongle Spare Part

TECHNICAL SPECIFICATION

Power Consumption	38W maximum
Ambient Temperature Conditions	
Operating	0 to 50°C
Operating Survival	–30 to 60°C
Non-Operating	–40 to 70°C
Ambient Humidity Conditions	
Storage	5 to 95% RH 30°C maximum dew point conditions
Operating	10-90% RH, 30°C maximum dew point conditions
Transmission Speeds	**Serial Communication (SA/FC Bus):** 9600,19.2k, 67.8k, or 115.2k bps **Ethernet Communication:** 10, 100 Mbps,1 Gbps
Transmission Range (Typical)	**Wireless Communication:** 30 m line-of-sight indoors 91 m line-of-sight outdoors
Network and Serial Interfaces	Two SA/FC ports (RJ12 6-pin port; connects with 1.5 m RJ-12 field bus cable, and one screw terminal plug, 4-pin). Three USB ports (one Micro-B port, and two USB A ports). All support USB 2.0 and Open Host Controller Interface [Open HCI] specification
Dimensions (Height x Width x Depth)	190 mm x 125 mm x 44.5 mm
Housing	White Polycarbonate and Acrylonitrile butadiene styrene (ABS) blend
Weight	0.387 kg
Web Browser Requirements for Computers and Handheld Devices	**Computer:** Windows Internet Explorer® 10 and Windows Internet Explorer 11, or Google® Chrome™ **Handheld Device:** The handheld device must be running either Internet Explorer Mobile for Windows® Mobile version 5 or version 6 operating system (OS); Android™ 4.0.3, 4.0.4, and 4.1+, or Google Chrome. Other web browsers may display the UI, but the functionality is not guaranteed.
CE Compliance	Johnson Controls declares that these products are in compliance with the essential requirements and other relevant provisions of the EMC Directive and Low Voltage Directive.