

Drawing Title
Cover
Project Title
Exhaust Fan



Verasys Bill of Materials						
System	Function	JCI Part No 💌	Description	Qty 🖵		
Network	Smart Building Hub	LC-SBH200-0S	Verasys Smart Building Hub	1		
Network Communication Wire		CBL-22/3-FC-PLN	System/Zone Bus Cable 22-3C Shielded Plenum Wire	1		
I/O Module IOM Device		LC-VAC1002-0	Verasys Input Output Configurable Controller, NOTE! 4 Binary Inpu	1		
I/O Module	IOM Transformer	Y65T42-0	Transformer 120/208/240 to 24V XFR 40VA	1		
I/O Module IOM Device		RIBU!C	24v Relay	5		

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Riser Diagram	
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3rd Party RTU	

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# Smart Building Hub Information

New Integ         One new Control in the provide the provide state in the sta	LED Name	Color	Normal		Descriptions/Other Conditions	LINAT RALASS AND		Ville
rate       ind       (2)       Control       Contro       Contro       Contro       Contr	Power	Blue or Purple	On stead	ły	Off = No power On Purple = Power is supplied by primary voltage On Blue = OS booted and power is supplied by primary voltage		56	VERASYS <sup>.</sup>
Bit of the the shift in the shift	Fault	Red	Off		Off = No faults/normal operation On steady = Missing hardware, missing software, operating system has not yet been initialized, or reset is in progress Slow flicker then fast flicker = Reset button is being pressed Medium flicker (2 blinks per second) = Startup sequence Fast flicker (5 blinks per second) = Fault	SSID: Verasys-SBH Username: Passphrase: Password: Place Label here Place	Admin	Part No. 24-10737-00 Issued I
High of the level of	Ethernet	Blue	Flicker w	vith activity	Off = Receiving data On steady = Transmitting data Flicker = Data transmission	E 00-10-80-80-80-80-80 Device 10 SB-64FB(5) SB-64FB	4FB(5 ) FC X	Smart Building Hub Quick Start ( SBH200
Num       N	100/1G Link	Blue	On stead	iy	Off = no network connection On steady = network is connected	Fill	10.766 RY11920	
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Control         Control <t< td=""><td>USB B</td><td>Blue</td><td>On when</td><td>a device is</td><td>Off = No device is connected</td><th></th><td></td><td>SMAR ( BUILDING HUB RATE + +</td></t<>	USB B	Blue	On when	a device is	Off = No device is connected			SMAR ( BUILDING HUB RATE + +
List       Image: State of the	System	Blue	Flicker w	ith activity	On steady = A device is connected Off = Not receiving data	5		
We Field       Hole mithan althing       OF # 200 WH Field get connected       Or makes / a New connected       OF # 200 / a New / a New connected       Image: New connected       New conneconnected       New connected	Bus			,	On steady = Transmitting data Flicker = Data transmission		ISB A ETHERNET	In water Control of Co
E0L       In the device is the output of the line	Wi-Fi AP	Yellow	Flicker w	ith activity	Off = No Wi-Fi adapter connected On steady = A device is connected to the Wi-Fi Network of the SBH Flicker = Wifi adapter is connected but no devices are connected			
WH Classer       Vector       Vector <td>EOL</td> <td>Yellow</td> <td>On if the end of the Off if it is</td> <td>device is the line in the middle</td> <td>Off = EOL not switched on On steady = EOL is switched on</td> <th></th> <td>WI-FI CLIENT</td> <td>SSID: Verasys-SBH Username: Admin Passphrase: Password:</td>	EOL	Yellow	On if the end of the Off if it is	device is the line in the middle	Off = EOL not switched on On steady = EOL is switched on		WI-FI CLIENT	SSID: Verasys-SBH Username: Admin Passphrase: Password:
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	7 Th	ie SBH ca	an be mo	ounted on de	enrail or screwed down using the standoffs			Exhaust Fan



### 1. Connect the Smart Building Hub to Equipment

The Smart Building Hub (SBH) permanently connects to the Verasys<sup>TM</sup> system using the 4-terminal System bus port. Wire the system bus communications to the blue, 4-terminal connector and plug it into the port.

Note: If this device is at the end of a line, set the end of the line switch to on.

Note: The RJ-12 jack next to the 4-terminal block can be used as a temporary connection to the System bus using the RJ-12 cable supplied with the SBH.



- a. Wire your cable to the supplied four-pin adapter as illustrated.
- b. Plug the Wi-Fi adapter that comes with the SBH into either of the USB ports.
- c. Connect the RJ45 Ethernet port to the building Ethernet network as instructed by the building IT department. The Ethernet must be plugged into the device if you choose the (optional) Ethernet setup in step 6.
- d. Connect power to the Smart Building Hub. Once power is supplied to the SBH, the WiFi AP LED flashes to indicate that the device is initializing. When the Fault LED turns off, the WiFi AP LED flashes, and the RUN LED is on, you can connect the SBH using the builtin Wifi access point.

Figure 2: SBH LED Map WI-FI CLIENT 🕘 🕚 EOL WI-FLAP 
SYSTEM BUS USB B 🕘 🕚 USB A UPGRADE 🕘 💮 RUN 100/1G LINK 🕘 🕚 ETHERNET FAULT O POWER RESET . REDOOT

2. Connect to the Smart Building Hub Wi-Fi access point The SBH can be configured over Wi-Fi using a mobile device or laptop.

- a. In your Wi-Fi enabled device, access the Wi-Fi settings and select the Verasys-SBH access point name.
- b. Connect to the SBH Wi-Fi network using the supplied credentials from the beginning of this guide.

### 3. Open a Web Browser

a. Navigate to the following URL: www.smartbuildinghub.com, to open the SBH browser interface.

Note: The SBH ships with a private smartbuildinghub.com SSL certificate installed to ensure secure communication with the SBH. However, this certificate does not indicate that it is trusted in a browser. If you wish to install your own certificate, refer to the Smart Building Hub Network and IT Guidance Technical Bulletin (LIT-12012324) for more information.

#### 4. Log in to the Smart Building Hub

- a. Use the default Admin login credentials from the beginning of this guide.
- b. Read and accept the SBH license agreement.

#### 5. Change Passwords and SSID

The first time you log into the SBH, the Change Password and Passphrase web page appears. You must change the Admin password, Wi-Fi passphrase, and the SSID.

IMPORTANT: After you change the Wi-Fi passphrase or SSID, the web server restarts and you must rejoin the SBH Wi-Fi network using the new passphrase. On some mobile devices, you must select and forget the original SBH Wi-Fi network before rejoining the network with the new passphrase. A laptop running Microsoft Windows is a device that behaves this way.

- a. In the New Admin Password field, enter a new password.
- b. In the Verify New Admin Password field, enter the same
- new password. c. In the New Wi-Fi SSID field, enter the new Wi-Fi SSID.
- d. In the New Wi-Fi Passphrase field, enter the new Wi-Fi Passphrase.
- e. Click the Save button.

Navigate to the following URL: www.smartbuildinghub.com, to open the SBH browser interface.

Note: The SBH ships with a private smartbuildinghub.com SSL

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Ambient Humidity Conditions	Storage: 5 to 95% RH 30°C point conditions Operating: 10-90% RH, 30° dew point conditions

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c. Click the Sa	ave button.										
<li>d. Take note of default, the address fro Note: If the screen</li>	of the address in the IP A SBH is configured to dyn m your network using DH IP Address does not app	ddress field. amically rece ICP. bear, refresh	By eive an IP the								
e. Enter the IF access to the Refer to the Technical E	<ul> <li>Enter the IP address from the previous step. You now have access to the SBH over an Ethernet network.</li> <li>Refer to the Smart Building Hub Network and IT Guidance Technical Building (UT 42042224) for more options</li> </ul>										
Use the Sn ect a device fr	nart Building Hub	d use the we	b pages								
eded.	new, commission, and co	ingure devie	,05 05								
IPORTANT: S ame and passv eeded to reset	ave this guide. It contains word information. This info your Smart Building Hub	s your defaul ormation may to factory de	t user be efaults.								
hnical Specif	fications ub										
wer	38W maximum										
nbient mperature onditions	Operating: 0 to 50°C (32 t Operating Survival: -30 to Non-Operating: -40 to 70°	to 122°F) o 60°C (-22 to °C (-40 to 158°	140°F) °F)								
nbient umidity point conditions Operating: 10-90% RH, 30°C (86°F) maximum dew dew point conditions Operating: 10-90% RH, 30°C (86°F) maximum dew point conditions											
Drawing Title											
SBH Quick S	start										
		REFERENC Sales Engineer	E DRAWING Project Manager	NO. Application	Engineer	REVISIO	DN-LOCATION DRAWN		ECN	DATE APPROVED	_
Project Title			1			BY SJ Branch Info	M DATE 9-1	13-2022	BY	DATE NUMBER	
Exhaust Fan					<b>—</b> 1M						
			<b>EKA</b>	SY	5			1	DRAWING NU	JMBER	
										5	

# Smart Building Internet Settings

Choose a device 🔻	SETTINGS ETHERNET		Static IP Address:
< Menu	Ethernet	a. ()	Subnet Mask:
1 Settings	3 On	0 or 1.6	Default Gateway:
Wi-Fi Access Point	Hostname SBH00108D0A7F56	Group e:	Primary DNS Server:
Backup	Domain Name Suffix	er I.T. 10 Her	Secondary DNS Server:
Restore		ustom Tite In	Email Post:
Profiles	Ethernet Mac Address 00:10:8d:0a:7f:56	ro Men V	Mail Server User Name:
Clone	Auto DHCP	Info F	Mail Server Password:
2 Ethernet	IP Address	t This	VPN Address:
Load Shedding	5 Get From I.T. Group	ů U	VPN User:
Global Shutdown	6 Get From I.T. Group		VPN Password:
System Settings	Default Gateway	Setting up Internet Access:	
Verasys Enterprise	7 Get From I.T. Group	-Reach out to the customers I.I. group "Static IP Address", "Subnet Mask", "Du "Primary & a Secondary DNS Server"	efault Gateway", &
BACnet Settings	Auto DNS Off	-Log into the SBH, click on "Settings" th "Auto DHCP" to "Off"	hen "Ethernet" & change
BBMD	Primary DNS Server	<ul> <li>Add the info you got from the IT group sure there's a network cable plugged ir customers internet.</li> </ul>	o into the SBH & make nto the SBH & the
SSL	Secondary DNS Server	-Turn off your wifi. Open Chrome or Sa address. This should bring you to the \	afari & type in the ip √erasys login pageif not
Alarm Notifications	9 8.8.4.4	you may need to log into the customers I.T. people up for VPN access) & repea	s VPN. (Call customer at Step 4.
Software Updates	Enable Proxy No		Drawing Title
Administration	Note: Smart Building Hub must be connected to an exter	rnal power source for Ethernet to function.	REFERENCE DRAWING     NO.     REVISION-LOCATION     ECN     DATE       Sales Engineer     Project Manager     Application Engineer     DRAWN     APPRO       BY     SJN     DATE     9-13-2022     BY     DATE
Custom Logo			Project Title Exhaust Fan

## **Smart Building Alerts & Email Settings**



characters, 1 lowercase letter, 1 uppe	rcase letter, 1 number			
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Approx Project manager Approximit Engineer	BY SJN DATE 9-13-2022	BY	DATE	
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