

Vektex LLC 1334 East Sixth Ave. P.O. Box 625 Emporia, Ks. 66801 U.S.A.	Instruction Sheet	IS 5507	
		REV: A	
		ECN 4663	
		BY/DATE: KR	06/07/22
		APPR/DATE: RAJ	
TITLE: CONFIGURATION OF AWP-MCE HMI			

This configuration procedure applies to the Advanced Workholding Pump HMI 85595077, Schneider Part No. HMISTW6400.


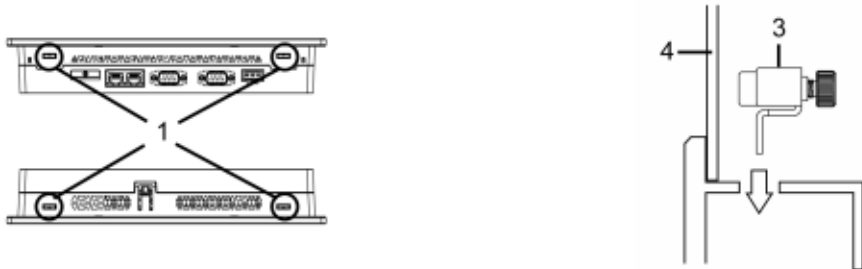
All new part and replacement part IO Modules will need to be configured before shipment to the customer. Use the following configuration instructions.



1. General HMI part number specifications, safety information, precautions, installation instructions, and wiring instructions are provided in the product package for your reference.
2. For greater detail, refer to the Harmony HMIST6*00 User Manual for factory safety information, installation instructions, and maintenance instructions. It can be downloaded from the following URL.
<https://www.se.com/ww/en/download/document/EIO0000003527/>

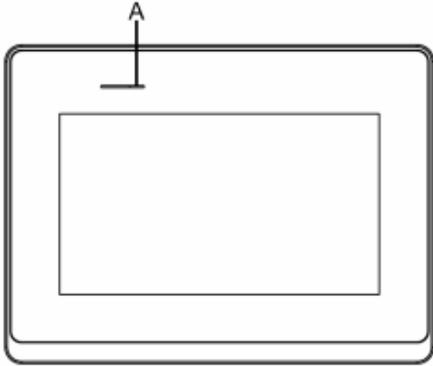
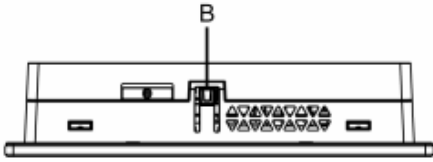
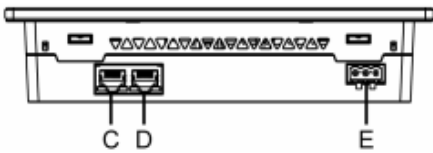
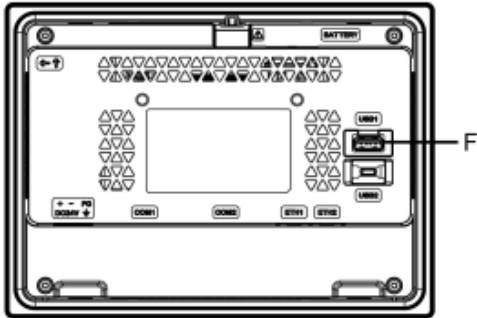
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3. Remove HMI from packaging. Do not remove the mylar screen protector from the face of screen.
4. Install HMI in housing/enclosure using the following procedure in the table below.

Step	Action
1	Place this product on a clean and level surface with the screen facing down.
2	Check that this product's gasket is seated securely into the bezel's groove, which runs around the perimeter of the display panel frame. NOTE: Always use the installation gasket, since it absorbs vibration in addition to repelling water. For the procedure on replacing the installation gasket, refer to Replacing the Installation Gasket
3	Based on this product's Panel Cut Dimensions , open a mount-hole on the panel and attach this product to the panel from the front side. NOTE: This product has a hook on the top to prevent falling during installation. Insert this product into the panel at an angle to avoid hitting the hook.  1 Hook
4	Insert the installation fastener hooks into the insertion slots of this product.  1 Insertion slots 3 Installation fastener 4 Installation panel

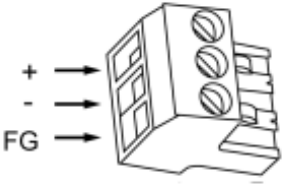
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5. Status HMI LED and Connections are as shown in the table below.
- A. Status LED
 - B. Hook
 - C. Ethernet Interface (ETH2)
 - D. Ethernet Interface (ETH1)
 - E. DC Power Plug Connector
 - F. USB Interface (Type A)

Side	HMISTW6400
Front	
Top	
Bottom	
Rear	

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6. Locate the Ethernet Interface (ETH1) connection and plug the RJ45 Intranet connection from the cable assembly into it.
7. Locate DC Power Plug Connector supplied with the HMI and connect 24VDC power supply cable wires according to the specifications shown in the table below. Connect the 24DC Power Cord to the HMI according to the steps shown in the table below.

	Connection	Wire
	+	24 Vdc
	-	0 Vdc
	FG	Grounded terminal. Connect the FG terminal properly to ground.

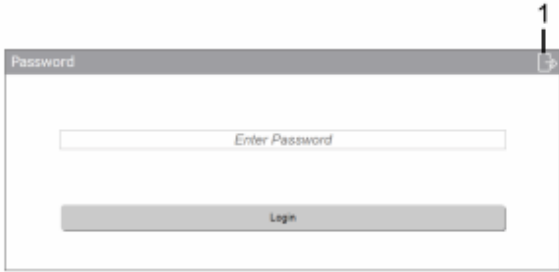
Step	Action
1	Confirm the power cord is not connected to the power supply.
2	Check the rated voltage.
3	Remove the DC power supply connector from this product.
4	Strip the membrane of the power cord, and twist the wire ends.
5	Insert each power cord wire into its corresponding hole. Fasten the screws of the DC power supply connector to clamp the wire in place. NOTE: <ul style="list-style-type: none"> ● The necessary torque is 0.56 N•m (5 lb-in). ● Do not solder the cable connection.
6	After inserting all three power cord wires, insert the DC power supply connector into the power connector on this product.

8. Locate the LED Status indicator light on upper left-hand corner of HMI face. When powered up the LED should be Green ON. Refer to the table below for indicator status meaning.

Color	Indicator	HMI operation
Green	ON	Offline
		In operation
	Flashing once every 5 seconds	Backlight OFF (Standby Mode)
Orange	Flashing	Software starting up
Red	ON	Power is ON.
-	OFF	Power is OFF.

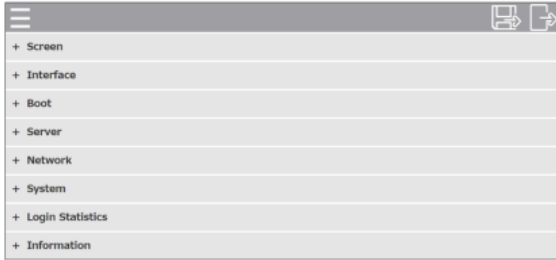
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9. With HMI powered up for the first time, set the display and web browser according to the steps in the table below.
- A. Set new password to **VEKTEKHMI**

Step	Action
1	Connect this product to the Intranet.
2	Turn on this product.
3	<p>The password input screen will appear. Enter the default password Admins.</p>  <p>NOTE:</p> <ul style="list-style-type: none"> For security reasons, change the default password "Admins" to a new password right after the first login. Right after logging in with Admins, if the password change screen is not displayed, you need to install the latest system. The latest system can be downloaded from the following URL. For information on the update process to the latest system, refer to System (see page 104). For information on the password policy and the password change process, refer to the following URL. https://www.se.com/ww/en/faqs/FA403854/ Touching the button (1) will restart this product. On the 5th failed attempt of entering the password, instead of displaying the Configuration Menu, a Web server screen displays as set up in Server → Start Page (see page 101).

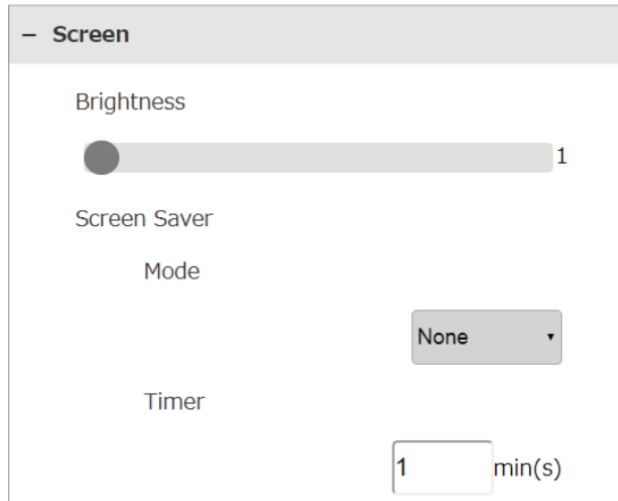
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10. Configure HMI by selecting the + sign for each menu item. See instructions below for each item.
- A. **Use step 10.G.iv.** below to simplify and speed complete HMI configuration process.

Step	Action
4	The Configuration Menu will appear. 

B. Screen Configuration

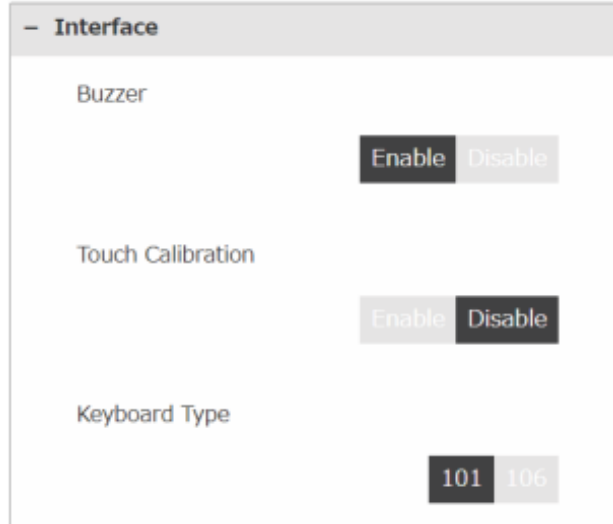
- i. Set to default Brightness level 1 (default)
- ii. Set Screen Saver Mode to None (default)
- iii. Set Timer to 1 min (default)



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C. Interface Configuration

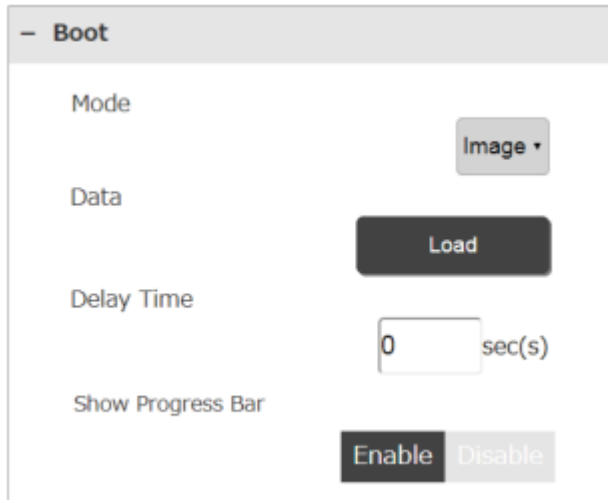
- i. Set Buzzer to Disable
- ii. Set Touch Calibration to Disable (default)
- iii. Set Keyboard Type to 101 (default)



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D. Boot Configuration

- i. Set Boot Mode to Image
- ii. Insert USB with Vektek logo named BootImg.png
- iii. Select Data Load button. Select OK to change to new boot image.
- iv. Set Delay Time of 0 secs (default)
- v. Set Show Progress Bar to Disable



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E. Server Configuration

- i. Set Start Page to VEKTEK
- ii. Set Server1 Name to VEKTEK
- iii. Set URL to <http://192.168.1.181> (Customer may need to change to AWP)
- iv. Set Software Keyboard to Enable (default)
- v. Do not set Server2

The screenshot shows a configuration window titled '- Server'. It contains the following elements:

- 'Start Page' label with a 'Configuration' button.
- '- Server1' section containing:
 - 'Name' label with a text input field containing 'VEKTEK'.
 - 'URL' label with a text input field containing 'http://192.168.1.181'.
 - 'Software Keyboard' label with two radio buttons: 'Enable' (selected) and 'Disable'.
- '+ Server2' section at the bottom, which is currently collapsed.

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F. Network Configuration

- i. Set DHCP to Disable (default)
- ii. Set IP Address to 192.168.1.183 (Customer may need to change to mate with AWP)
- iii. Set Subnet Mask to 255.255.255.0
- iv. Set Default Gateway to leave blank (default)
- v. Set DNS Settings to Manual (default)
- vi. Set DNS Server to leave blank (default)
- vii. Mac Address displays that of the product

- Network

DHCP Enable Disable

IP Address

Subnet Mask

Default Gateway

DNS Settings Auto Manual

DNS Server

MAC Address

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G. System Configuration

- i. Password to be set during initial login procedure to **VEKTEKHMI**
- ii. Load Default is only required to reset to factory default settings by Vektek Engineering.
- iii. Back Up Configuration is only required to create and save a new custom configuration by Vektek Engineering.
- iv. Restore Configuration is used to upload the standard Vektek production configuration using the USB stored file named **WTCONF0D.DAT** (created from original backup file). Use this method to simplify the initial HMI configuration process.
- v. Update System is only required to update to the latest Schneider HMI system files that can be downloaded from <http://www.schneider-electric.com> by Vektek Engineering.
 - 1. **WEBOS0D.SYS**
 - 2. **BOOTLD0D.SYS**

The screenshot shows a web-based configuration interface titled "System". It contains the following elements:

- Password:** Two input fields labeled "New Password" and "Confirm Password", followed by a dark grey "Change" button.
- Load Default:** A light grey "Reset" button.
- Back Up Configuration:** A light grey "Backup" button.
- Restore Configuration:** A light grey "Restore" button.
- Update System:** A dark grey "Update" button.

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H. Login Statistics provides basic login data for Vektek Engineering use only.

- Login Statistics

Current Usage

Previous Usage

No. of failed login

Export Log Data

Check Exported Log Data

I. Information screen provides basic data for Vektek Engineering use only.

- Information

Version

MAC Address

DHCP

IP Address

Subnet Mask

Default Gateway

License

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11. **Important!** Save the Configuration Settings by selecting the Save icon labeled 1.
Exit without saving the Configuration Settings by selecting the Exit Door icon labeled 2.

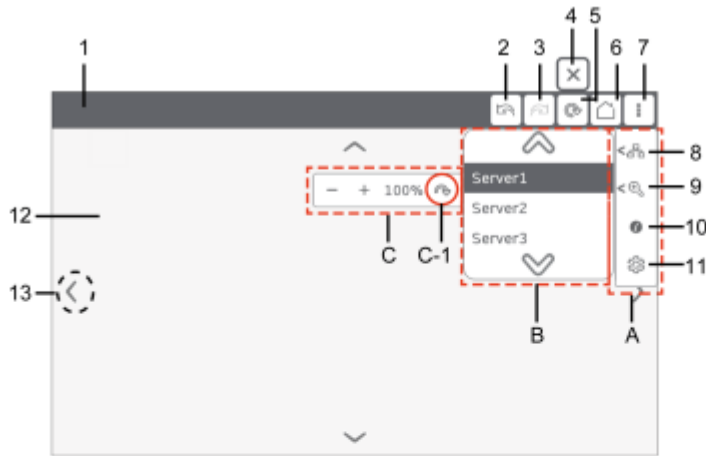


12. Confirm HMI configuration process is complete by cycling AWP power Off and back On.
- A. Vektex Logo splash screen should appear first during startup process.
 - B. Hourglass icon and “Loading Webvisualization” will appear next during startup process.
 - C. Advanced Workholding Pump Home screen will appear to complete the startup process.
 - D. If process does not complete with the results listed above, do the following.
 - i. Reset to the default configuration using the step in 9.G.ii.
 - ii. Restore to the standard Vektex production configuration using the step in 9.G.iv.
 - iii. Or restore manually using the steps in 10. A-F.

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13. Web Browser

- A. This HMI uses its web browser functionality to display screens from the AWP PLC Web Server.
- B. The title bar at the top of the screen is hidden when not working in the web browser directly.
- C. Swipe down with your finger or stylus at the top edge of the screen to display the web browser title bar and function buttons.
- D. Web browser display and configurations settings are as follows.



No.	Description
1	Displays the title of the Web server page or the URL when the page does not have a title.
2	Moves to the previous page.
3	Moves to the next page.
4	Icon that displays while loading the Web server screen. Touch this icon to interrupt the load operation.
5	Reloads the Web server screen. Touch this icon and when the load operation starts, the icon changes to the No.4 icon.
6	Displays the Web server screen set in Server → Start Page .
7	Touch this icon to display the A sub menu.
8	Touch this icon to display the B sub menu, where you can select the Web server to display.
9	Touch this icon to display the C sub menu, where you can adjust the zoom level from 25 to 500%. The default setting is [100%] . C-1 is the reset button.
10	Displays the system version, network, current usage and license information.
11	Displays the Configuration Menu
12	Displays the selected Web server screen.
13	Touch the screen to display these scroll buttons.