HMS-1655 Fume Hood Controller with Safety Halo™ edge lighting
INTRODUCTION AND OVERVIEW

Triatek's HMS-1655 Fume Hood Controller user interface includes a Setup Wizard, which is an intuitive step-by-step menu-driven guide that allows you to easily configure the controller.

When the HMS-1655 is first powered up and has completed its initialization process, the Startup Wizard start screen will be displayed as shown below.

Tap the Let's Get Started button to advance to the next screen where an overview of the four stages of the Setup Wizard are identified as follows:

1. Hood Identification
2. Hardware Selection
3. Control Settings
4. Sensor Calibration

Tap Next to advance to the next screen. Here the text describes what information will be required in Stage 1 of the Setup Wizard. Wait for the hour glass to disappear before tapping Next to advance to the next screen.

Stage 1: Hood Identification

The display screen should now show a keypad where you can enter a name or number for your HMS-1655 Fume Hood Controller. A maximum of 25 characters is allowed. You may also choose not to enter a name at this point and accept the default name.

Tap the Save button when you are finished to advance to the next screen.

On the next screen, a MAC address may be entered to identify the HMS-1655 on a BACnet MS/TP network. Tap OK to accept the address.

TRIATEK reserves the right to change product specifications without notice.
Stage 2: Hardware Selection

In Stage 2 of the Setup Wizard you will be asked to select the input hardware for each application by tapping the radio buttons associated with the required hardware as shown in the example below.

Once you have selected the hardware for your application, tap the Next button to advance to the next step in Stage 2.

You will be presented with a real-time view of the selected hardware to verify that the hardware is working properly.

The active inputs are highlighted in blue with a status icon to the right to indicate the current state of that input.

- **Alarm** icon – Input out of range or not working
- **Warning** icon – Input at the min or max limits
- **Normal** icon – Input within normal range
- **Not Used** icon – Input not selected

When you have verified the hardware is working properly, tap the Next button to advance the Setup Wizard to Stage 3.

Stage 3: Control Settings

Stage 3 of the Setup Wizard walks you through a series of screens, like the one shown below where the controller’s parameters are entered for the application requirements. Each of the entry screens will have standard default values for most applications. You may change them to suit your specific requirements.

- **Alarm** icon – Input out of range or not working
- **Warning** icon – Input at the min or max limits
- **Normal** icon – Input within normal range
- **Not Used** icon – Input not selected
After all the control settings have been entered, the Setup Wizard will then determine the PID output polarity by setting the AO-1 output to 100% and check the sidewall sensor reading, then it will set AO-1 to 0% and check sidewall sensor reading again.

The PID output will then be displayed as shown below. Tap Next to advance the Setup Wizard to Stage 4 where the sensor calibration process will be performed.

In Stage 4 of the Setup Wizard, you will be guided though the calibration process for the sensor hardware selected back in Stage 2.

Each Setup Wizard screen instructs you on how to perform each step required in the calibration process.
If a sash sensor was selected in **Stage 2**, then the Setup Wizard continues and will guide you through the sash position sensor calibration process and as well as the sidewall/sash control calibration process. If a sash sensor was not selected in **Stage 2**, then the Setup Wizard is completed and displays the screen shown below.

### FIELD CALIBRATION
**Override Analog Output**

Face velocity is now in range. Use slider to FINE TUNE output as required to achieve 100 fpm and then tap Next to continue.

38%

Back

Next

**Analog Output Override Set to Achieve 100 FPM**

### FIELD CALIBRATION
**Set True Input**

Confirm face velocity. Use flow meter to measure face velocity at three locations in 18-in opening. Enter average and tap Next.

100 fpm

Back

Next

**Set True Face Velocity**

Tap the check icon to close the Setup Wizard. The main display screen should now be displayed.

If for any reason you need to re-invoke the Setup Wizard, simply tap the Status Line on the home screen.

When the list of operation modes appears, tap the **Decommission Mode** button, and then tap the uppermost right hand corner of the display to re-invoke the Setup Wizard.

A popup window will appear giving you the choice to continue with the Setup Wizard activation or cancel and return to the main screen. Any of the settings configured by the Setup Wizard may be view or edited through the HMS-1655 main menu.
Headquartered in Norcross, Georgia, Triatek has been on the forefront of designing and manufacturing innovative airflow solutions for critical environments since 1985. Triatek provides complete end-to-end solutions for healthcare facilities and laboratories including Venturi valves, room pressure controllers, fume hood controllers, monitors, sensors, actuators, and more, all designed to seamlessly integrate into a facility’s building automation system.

Triatek’s customer service is unparalleled. Our product support system includes on-site installations, phone support, repairs, calibrations, and in-depth training sessions.

From our knowledgeable engineers and sales team to our talented field technicians, Triatek goes above and beyond to ensure our products are installed correctly and our customers’ critical environments are working properly.