Table 2: Commissioning Menu - Flow (Continued)

Menu Option	Description	Range
Unoccupied Heating Min Flow	Sets the mini- mum supply air flow of the VAV box when in unoc- cupied heating and heating mode.	Adjustable: 0 to 1,000 cfm
Warmup Min Flow	Displays the mini- mum flow to the VAV box during morning warmup.	Adjustable: 0 to 1,000 cfm
Staged Reheat Min Flow	Sets the mini- mum heating flow for staged reheat control.	Adjustable: 0 to 1,000 cfm

Default Direction to Close

Clockwise

Counterclockwise

Counterclockwise

Counterclockwise

Manufacturer Damper Data

Manufacturer

Tuttle and Bailey

ETI

Kruger

Titus

Table 3: Manufacturer Damper Data

Additional Information

Refer to the Verasys System Operation Overview Technical Bulletin (LIT-12012370) for more information on the various sequences performed by adjusting the control parameters.

For additional information about Verasys, use the QR code or visit www.verasyscontrols.com.



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VERASYS[™]

ZEC410 VAV Controller QUICK START GUIDE





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GETTING STARTED

This guide provides you with the minimum configuration requirements that you need to quickly bring the system communication and controls online with the Smart Building Hub (SBH).



Zone-14: 14	ZONE 14 EQUIPMENT SETUP	
	ACTUATOR STROKE TIME	60 seconds
		0.0 \$11.048
Commissioning	DAMPER POLARITY	
		Counterclockwise
Equipment Setup	BOX HEATING INSTALLED	
	Sector Sector Contraction Contraction	Truo
	SUPPLEMENTAL HEATING INSTALLED	
Device List		True
	NUMBER OF HEATING STAGES INSTALLED	1
> Settings	FAN CONTROL TYPE	No Fan
> Admin		

Table 1: Equipment Setup Menu

Menu Option	Description	Range
Damper Polarity	Sets the direc- tion to close the zone damper.	Adjustable: clockwise/counterclock- wise
Box Heating Installed	When set to True, the controller uses the outputs to control the heat in the VAV box.	Adjustable: True, False Note: Model ZEC410-1 controls staged heat, model ZEC410-2 controls floating or incremental heat, and model ZEC410-3 con- trols proportional heat.

Table 1: Equipment Setup Menu (Continued)

Menu Option	Description	Range
Supplemen- tal Heating Installed	When set to True, the con- troller uses the outputs to con- trol the supple- mental heat in the space.	Adjustable: True, False Note: Model ZEC410-1 controls staged heat, model ZEC410-2 con- trols floating or incre- mental heat, and model ZEC410-3 controls pro- portional heat.

Commissioning Menu - Flow

-14: <mark>1</mark> 4	ZONE-14 COMMISSIONING	
	Flow	
	COOLING MAX FLOW	1.000 cfm
ssioning		
	OCCUPIED COOLING MIN FLOW	200 cfm
		Second Society
	OCCUPIED HEATING MIN FLOW	200 cfm
List	UNOCCUPIED COOLING MIN FLOW	0 cfm
	UNOCCUPIED HEATING MIN FLOW	0 cfm
ngs		<u></u>
	WARMUP MIN FLOW	200 cfm
	STAGED REHEAT MIN FLOW	200 cfm
	SUPPLY FLOW	31 cfm
	SUPPLY FLOW SETPOINT	200 cfm
		·
	SUPPLY AREA	0.349 sq ft
	PICKUP GAIN	
		2.00

Table 2: Commissioning Menu - Flow

Menu Option	Description	Range
Cooling Maximum Flow	Sets the maxi- mum supply air flow of the VAV box when cooling.	Adjustable: 0 to 10,000 cfm
Occupied Cooling Min Flow	Sets the mini- mum supply air flow of the VAV box when cooling.	Adjustable: 0 to 10,000 cfm
Occupied Heating Min Flow	Sets the mini- mum supply air flow of the VAV box when heating.	Adjustable: 0 to 10,000 cfm Note: When the zone is heating, the supply airflow is constant and there is no maxi- mum heating air- flow.
Supply Area	The supply inlet area used to cal- culate the supply flow.	Adjustable: 0 to 8.0 sq. ft.
Pickup Gain	Shows the K factor for the box. This parame- ter calibrates the flow.	Adjustable: True/False
Unoccupied Cooling Min Flow	Sets the mini- mum supply air flow of the VAV box when in unoc- cupied cooling and unoccupied mode.	Adjustable: 0 to 1,000 cfm