This cross-reference is provided as a convenient method to substitute a Viconics® communicating controller with a functionally equivalent model from KMC Controls, Inc. This is not a complete specification and substitution should not be made solely on the information in this publication. Before choosing a KMC model, review all of the information in the publication *Installation, Operation, and Application Guide for AppStat*. This publication is available to our partner organizations on the KMC partner's web site.

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BAC-4000

BAC-4000 with motion sensor

Cross-reference to Viconics Fan Coil Units—Commercial Applications

Application			Without network	BACnet	AppStat with BACnet	
Commercial with humidity sensor	With PIR motion sensor	Floating 1H/1C	VT7350C5500	VT7350C5500B	n/a	
		Analog 1H/1C	VT7350F5500	VT7350F5500B	BAC-4222CW0001	3-speed fan
					BAC-4228CW0001	Modulating fan
					BAC-4223CW0001	3-speed and mod. fan, on/off and mod. valves
	Without PIR motion sensor	Floating 1H/1C	VT7350C5000	VT7350C5000B	n/a	
		Analog 1H/1C	VT7350F5000	VT7350F5000B	BAC-4022CW0001	3-speed fan
					BAC-4028CW0001	Modulating fan
					BAC-4023CW0001	3-speed and mod fan, on/off and mod valves
Commercial without humidity sensor	With PIR motion sensor	ON/OFF 1H/1C	VT7300A5500	VT7300A5500B	BAC-4201CW0001	3-speed fan
					BAC-4207CW0001	Modulating fan
					BAC-4203CW0001	3-speed and mod. fan, on/off and mod. valves
		Floating 1H/1Cz	VT7300C5500	VT7300C5500B	n/a	
		Analog 1H/1C	VT7300F5500	VT7300F5500B	BAC-4202CW0001	3-speed fan
					BAC-4208CW0001	mod fan
					BAC-4203CW0001	3-speed and mod fan, on/off and mod valves
	Without PIR motion sensor	ON/OFF 1H/1C	VT7300A5000	VT7300A5000B	BAC-4001CW0001	3-speed fan
					BAC-4007CW0001	Modulating fan
					BAC-4003CW0001	3-speed and mod. fan, on/off and mod. valves
		Floating 1H/1C	VT7300C5000	VT7300C5000B	n/a	
		Analog 1H/1C	VT7300F5000	VT7300F5000B	BAC-4002CW0001	3-speed fan
					BAC-4008CW0001	Modulating fan
					BAC-4003CW0001	3-speed and mod. fan, on/off and mod. valves

Note:

Models with three-speed fans can also control one and two-speed fans.

All BAC-4000 series controllers can display units in Fahrenheit or Celsius.

All BAC-4000 series controllers include an internal schedule object that can be set from the user interface.

Cross-reference to Viconics Fan Coil Units—Hotel and Lodging Applications

Application			Without network	BACnet	AppStat with BACnet	
Hotels/Lodging with humidity sensor	With PIR motion sensor	Floating 1H/1C	VT7355C5500	VT7355C5500B	n/a	
		Analog 1H/1C	VT7355F5500	VT7355F5500B	BAC-4222CW0001	3-speed fan
					BAC-4228CW0001	Modulating fan
					BAC-4223CW0001	3-speed and mod fan, on/off and mod valves
	Without PIR motion sensor	Floating 1H/1C	VT7355C5000	VT7355C5000B	n/a	
		Analog 1H/1C	VT7355F5000	VT7355F5000B	BAC-4022CW0001	3-speed fan
					BAC-4028CW0001	Modulating fan
					BAC-4023CW0001	3-speed and mod fan, on/off and mod valves
Hotels/Lodging without hmidity sensor	With PIR motion sensor	ON/OFF 1H/1C	VT7305A5500	VT7305A5500B	BAC-4201CW0001	3-speed fan
					BAC-4207CW0001	Modulating fan
					BAC-4203CW0001	3-speed and mod fan, on/off and mod valves
		Floating 1H/1C	VT7305C5500	VT7305C5500B	n/a	
		Analog 1H/1C	VT7305F5500	VT7305F5500B	BAC-4202CW0001	3-speed fan
					BAC-4208CW0001	Modulating fan
					BAC-4203CW0001	3-speed and mod fan, on/off and mod valves
	Without PIR motion sensor	ON/OFF 1H/1C	VT7305A5000	VT7305A5000B	BAC-4001CW0001	3-speed fan
					BAC-4007CW0001	Modulating fan
					BAC-4003CW0001	3-speed and mod fan, on/off and mod valves
		Floating 1H/1C	VT7305C5000	VT7305C5000B	n/a	Modulating fan
		Analog 1H/1C	VT7305F5000	VT7305F5000B	BAC-4002CW0001	3-speed fan
					BAC-4008CW0001	Modulating fan
					BAC-4003CW0001	3-speed and mod fan, on/off and mod valves

Note:

Models with three-speed fans can also control one and two-speed fans.

All BAC-4000 series controllers can display units in Fahrenheit or Celsius.

All BAC-4000 series controllers include an internal schedule object that can be set from the user interface.

Cross-reference to Viconics Roof Top Units

Application			Standalone	BACnet	AppStat with BACnet	
No schedule	With PIR motion sensor	Single stage On/Off 1H/1C	VT7600A5500	VT7600A5500B	BAC-4201CW0002	
		Multi-stage On/Off 2H/2C	VT7600B5500	VT7600B5500B	BAC-4201CW0002	
		Economizer On/Off 2H/2C	VT7605B5500	VT7605B5500B	BAC-4203CW0002	Without humidity sensor
		Humidity control On/Off 2H/2	VT7607B5500	VT7607B5500B	BAC-4223CW0002	With economizer
	Without PIR motion sensor	Single stage On/Off 1H/1C	VT7600A5000	VT7600A5000B	BAC-4001CW0002	
		Multi-stage On/Off 2H/2C	VT7600B5000	VT7600B5000B	BAC-4001CW0002	
		Economizer On/Off 2H/2C	VT7605B5000	VT7605B5000B	BAC-4003CW0002	Without humidity sensor
		Humidity control On/Off 2H/2	VT7607B5000	VT7607B5000B	BAC-4023CW0002	With economizer
Schedule	With PIR motion sensor	Single stage On/Off 1H/1C	VT7600A5500	VT7600A5500B	BAC-4201CW0002	
		Multi-stage On/Off 2H/2C	VT7600B5500	VT7600B5500B	BAC-4201CW0002	
		Economizer On/Off 2H/2C	VT7605B5500	VT7605B5500B	BAC-4203CW0002	Without humidity sensor
		Humidity control On/Off 2H/2	VT7607B5500	VT7607B5500B	BAC-4223CW0002	With economizer
	Without PIR motion sensor	Single stage On/Off 1H/1C	VT7600A5000	VT7600A5000B	BAC-4001CW0002	
		Multi-stage On/Off 2H/2C	VT7600B5000	VT7600B5000B	BAC-4001CW0002	
		Economizer On/Off 2H/2C	VT7605B5000	VT7605B5000B	BAC-4003CW0002	Without humidity sensor
		Humidity control On/Off 2H/2	VT7607B5000	VT7607B5000B	BAC-4023CW0002	With economizer

Note:

All BAC-4000 series controllers can display units in Fahrenheit or Celsius.

All BAC-4000 series controllers include an internal schedule object that can be set from the user interface.

All BAC-4xx3 series controllers for roof top applications include outputs for both staged heating and cooling or modulating heating and cooling.

Cross-reference to Viconics Heat Pump Units

Application			Standalone	BACnet	AppStat with BACnet	
No schedule	With PIR motion sensor	ON/OFF 3H/2C	VT7600H5500	VT7600H5500B	BAC-4203CW0003	With economizer, without humidity sensor
					BAC-4223CW0003	With economizer and humidity sensor
					BAC-4201CW0003	Without economizer, without humidity sensor
					BAC-4221CW0003	Without economizer, with humidity sensor
	Without PIR motion sensor	ON/OFF 3H/2C	VT7600H5000	VT7600H5000B	BAC-4003CW0003	With economizer, without humidity sensor
					BAC-4023CW0003	With economizer and humidity sensor
					BAC-4001CW0003	Without economizer, without humidity sensor
					BAC-4021CW0003	Without economizer, with humidity sensor
Schedule	With PIR motion sensor	ON/OFF 3H/2C	VT7652H5500	VT7652H5500B	BAC-4203CW0003	With economizer, without humidity sensor
					BAC-4223CW0003	With economizer and humidity sensor
					BAC-4201CW0003	Without economizer, without humidity sensor
					BAC-4221CW0003	Without economizer, with humidity sensor
	Without PIR motion sensor	ON/OFF 3H/2C	VT7652H5000	VT7652H5000B	BAC-4003CW0003	With economizer, without humidity sensor
					BAC-4023CW0003	With economizer and humidity sensor
					BAC-4001CW0003	Without economizer, without humidity sensor
					BAC-4021CW0003	Without economizer, with humidity sensor

Note:

All BAC-4000 series controllers can display units in Fahrenheit or Celsius.

All BAC-4000 series controllers include an internal schedule object that can be set from the user interface.

All BAC-4000 series controllers for heat pump applications include outputs for three stages of heating and two stages of cooling.