

AirZone Zone V1.0 Help File

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Document Details

Title	AirZone Zone V1.0 Help File
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Reference	AirZone Zone V1.0 Help File

GENERAL INFORMATION	
SIMPL WINDOWS NAME	AirZone Zone V1.0
CATEGORY	HVAC
VERSION	V1.0
SUMMARY	 This module is property of A-Knowledge (www.a-knowledge.eu) and is provided to you per Standard License. You may use any number of instances of a Standard Licensed module in any number of your projects. You may not use the module in any way that is not specifically of the foregoing, you may not: copy, reproduce, distribute, publish or resell this module, any portion of it or modified versions of the module; rent, lease, timeshare or sub license this module or any of its parts; place this module or any of its parts on any form of online or publicly accessible internet service; This module is written in SIMPL# so make sure you also copy the "AirZone.clz" file in your project folder. Please refer to the "AirZone Demo Program" for correct use. This module is only supported on 3-series control systems. This module is part of a series of 3 modules needed to control an AirZone HVAC system with Crestron: "AirZone Installation" module MairZone installation you are controlling. "AirZone installation consists out of one or more AirZone systems. You will need one instance of this module per AirZone system. The demo program only shows one system, but depending on your installation you can add more. "AirZone system consists out of one or more AirZone system. The demo program only shows one system, but depending on your installation you can add more.

	If you encounter any problems implementing this module, please don't hesitate to contact us at <u>info@cresmods.com</u> . Your feedback is highly appreciated.
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CRESTRON HARDWARE REQUIRED	3-series control system
SETUP OF CRESTRON HARDWARE	The demo program was written and tested on a CP3 with X-Panel. The demo layout is written for XPanel 2.0 Smart Graphics.
CONTROL:	
ManualPoll	Pulse to manually poll the AirZone zone for feedback
<u>Setpoint</u>	
Setpoint.Up.Set	Pulse or press and hold to drive the setpoint up
Setpoint.Down.Set	Pulse or press and hold to drive the setpoint down
<u>Power</u>	
Power.On.Set	Pulse to turn the zone on
Power.Off.Set	Pulse to turn the zone off
<u>Stages</u>	
Stages.X.Set	Pulse to set the zone's stage
Stages.AnalogValue.Set	Set the zone's stage: - 1d = Air - 2d = Radiant - 3d = Combined
Modes	
Modes.X.Set	Pulse to set the zone's mode
Modes.AnalogValue.Set	Set the zone's mode: - 1d = Stop - 2d = Cooling - 3d = Heating - 4d = Fan - 5d = Dry

	- (6d = Not used) - 7d = Auto
<u>FanSpeeds</u>	
FanSpeeds.X.Set	Pulse to set the zone's fanspeed
FanSpeeds.AnalogValue.Set	Set the zone's fanspeed: - Od = Auto - Id to 7d = corresponding fan speed
FEEDBACK:	
Initialized	High when the module has successfully initialized.
Polling	High when the module is busy polling the AirZone system for feedback
Name	Shows the name of the zone
Unit.Celsius	High when the zone is set to use Celsius
Unit.Fahrenheit	High when the zone is set to use Fahrenheit
<u>Temperature</u>	
Temperature	Serial representation of the current temperature
Humidity	Serial representation of the current humidity
Control.Humidity.Available	High when humidity is available
Temperature.AnalogValue	Analog representation of the current temperature
Humidity.AnalogValue	Analog representation of the current humidity
<u>Setpoint</u>	
Setpoint	Serial representation of the current setpoint
Setpoint.LimitLower	Serial representation of the current setpoint minimum value
Setpoint.LimitUpper	Serial representation of the current setpoint maximum value
Setpoint.LimitLower.Available	High when a minimum setpoint value is available
Setpoint.LimitUpper.Available	High when a maximum setpoint value is available
Setpoint.AnalogValue	Analog representation of the current setpoint

Setpoint.LimitLower.AnalogValue	Analog representation of the current minimum setpoint value
Setpoint.LimitUpper.AnalogValue	Analog representation of the current maximum setpoint value
Power	
PoweredOn	High when the zone is powered on
PoweredOff	High when the zone is powered off
<u>Stages</u>	
Stages.Available	High when there are stages available to set on the AirZone system
Stages.Controllable	High when there are stages controllable to set on the AirZone system
Stages.X.Available	High when the corresponding stage is available
Stages.X.Active	Shows the currently selected system stage.
Stages.Active.AnalogValue	 Shows the currently selected system stage: 1d = Air 2d = Radiant 3d = Combined
Stages.Active.SerialValue	Shows the name of the currently selected system stage
Modes	
Modes.Available	High when there are modes available to set on the AirZone system
Modes.Controllable	High when there are modes controllable to set on the AirZone system
Modes.X.Available	High when the corresponding mode is available
Modes.X.Active	Shows the currently selected system mode.
Modes.Active.AnalogValue	 Shows the currently selected system mode: 1d = Stop 2d = Cooling 3d = Heating 4d = Fan 5d = Dry (6d = Not used) 7d = Auto

Modes.Active.SerialValue	Shows the name of the currently selected system mode
<u>Fanspeeds</u>	
Fanspeeds.Available	High when there are fanspeeds available to set on the AirZone system
Fanspeeds.Controllable	High when there are fanspeeds controllable to set on the AirZone system
Fanspeeds.X.Available	High when the corresponding fanspeed is available
Fanspeeds.X.Active	Shows the currently selected system fanspeed.
Fanspeeds.Active.AnalogValue	 Shows the currently selected system fanspeed: Od = Auto 1d to 7d = corresponding fan speed
Fanspeeds. Active. Serial Value	Shows the name of the currently selected system fanspeed
<u>Errors</u>	
HasZoneErrors	High when the zone is currently reporting any errors
HasZoneWarnings	High when the zone is currently reporting any warnings
ZoneErrors.Count	Shows the amount of errors currently reported by the zone
ZoneErrors[XX]	The name of the current error
ZoneWarnings.Count	Shows the amount of warnings currently reported by the zone
ZoneWarnings[XX]	The name of the current warning
PARAMETERS:	
SystemNumber	Defines the AirZone system number
ZoneNumber	Defines the AriZone zone number
XXControlEnabled	These can be used to override the availability of the corresponding item. If the AirZone reports such item to be available, but this parameter is set to "No", then the module will report the item to be unavailable. If the AirZone reports such item to be unavailable, then this parameter will have no effect and the item will always be reported by the module as unavailable.
TESTING:	

OPS USED FOR TESTING	CP3 v1.601.3935.27221
COMPILER USED FOR TESTING	SIMPL Windows 4.14.20
DEMO PROGRAM	AirZone Demo Program V1.0.smw
RELEASE NOTES	V1.0 Initial release