

AirZone System V1.0 Help File

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Document Details

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GENERAL INFORMATION

SIMPL WINDOWS NAME AirZone System V1.0

CATEGORY HVAC

VERSION V1.0

SUMMARY

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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

You will need one instance of this module in your program. It allows you to define the IP address and parameters of the AirZone installation you are controlling.

"AirZone System" module

An 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 Zone" module

An AirZone system consists out of one or more AirZone zones. You will need one instance of this module per individual AirZone

If you encounter any problems implementing this module, please don't hesitate to contact us at info@cresmods.com. 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 system for feedback

Modes

Modes.X.Set

Pulse to set the mode of the system

Modes.AnalogValue.Set

Set the mode of the system:

- 1d = Stop
- 2d = Cooling
- 3d = Heating
- 4d = Fan
- 5d = Dry
- (6d = Not used)
- 7d = Auto

FanSpeeds

FanSpeeds.X.Set

Pulse to set the fanspeed of the system

FanSpeeds.AnalogValue.Set

Set the fanspeed of the system:

- 0d = Auto
- 1d 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

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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 0d = Auto - 1d to 7d = corresponding fan speed
Fanspeeds.Active.SerialValue	Shows the name of the currently selected system fanspeed
PARAMETERS:	
SystemNumber	Defines the AirZone system number
SetpointMode	Sets the setpoint mode for the AirZone system.
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

