

**SIMPLWINDOWS NAME:** Enerzone Statnet Thermostat Emulator

**CATEGORY:** HVAC

**VERSION:** 1.0

**SUMMARY:** Emulates a Statnet Thermostat

**GENERAL NOTES:** This module is used to emulate an Enerzon Statnet thermostat. It is used with the module EZON-32A, and converts all the individual controls from EZON-32A to the six button control of a Statnet thermostat.

It is not recommended to use this method to control the Enerzone system. It provides less flexibility, and it is less clear what is being adjusted/displayed. Much greater functionality can be achieved by using just the module EZON-32A

**CRESTRON HARDWARE REQUIRED:** ST-COM, CNXCOM

**SETUP OF CRESTRON HARDWARE:** Baud Rate -9600  
Parity - None  
Data Bits - 8  
Stop Bits - 1

**VENDOR FIRMWARE:** None

**VENDOR SETUP:** The Crestron system must be connected to an Enerzone Proverter. This device will convert the RS232 of Crestron to the RS485 of the Enerzone system. Use the cable supplied with the Proverter to connect directly to the Crestron system com port.

**CABLE NUMBER:** None

## CONTROL:

<b>MODE</b>	D	Emulate the mode button on the Statnet
<b>FAN</b>	D	Emulate the fan button on the Statnet
<b>REMOTE</b>	D	Emulate the remote button on the Statnet
<b>HOLD</b>	D	Emulate the hold button on the Statnet
<b>UP</b>	D	Emulate the up button on the Statnet
<b>DOWN</b>	D	Emulate the down button on the Statnet
<b>CURRENT-TEMPERATURE</b>	A	Should be connected to the corresponding signal on the output of EZON-32A
<b>HEAT-SETPOINT</b>	A	Should be connected to the corresponding signal on the output of EZON-32A
<b>COOL-SETPOINT</b>	A	Should be connected to the corresponding signal on the output of EZON-32A
<b>MODE-* -FB</b>	D	Should be connected to the corresponding signals on the output of EZON-32A
<b>FAN-* -FB</b>	D	Should be connected to the corresponding signals on the output of EZON-32A
<b>HOLD-* -FB</b>	D	Should be connected to the corresponding signals on the output of EZON-32A
<b>REMOTE-TEMPERATURE</b>	A	Should be connected to the corresponding signal on EZONREMA
<b>REMOTE-NEGATIVE</b>	D	Should be connected to the corresponding signal on EZONREMA

## FEEDBACK:

<b>DISPLAY</b>	A	Analog signal to be used as the display on the Statnet. Should be routed to a digital meter on a touchpanel
<b>DISPLAY-NEGATIVE</b>	D	Connect to a legend button. Can be used to light up a negative sign placed before the temperature display
<b>ADJUSTING-HEAT</b>	D	Route to a legend button. Indicates that the heat setpoint is being adjusted while in Auto mode
<b>ADJUSTING-COOL</b>	D	Route to a legend button. Indicates that the cool setpoint is being adjusted while in Auto mode
<b>HEAT-UP</b>	D	Connect to the corresponding signal on the EZON-32A module
<b>HEAT-DOWN</b>	D	Connect to the corresponding signal on the EZON-32A module
<b>COOL-UP</b>	D	Connect to the corresponding signal on the EZON-32A module
<b>COOL-DOWN</b>	D	Connect to the corresponding signal on the EZON-32A module
<b>MODE-*</b>	D	Connect to the corresponding signal on the EZON-32A module
<b>FAN-*</b>	D	Connect to the corresponding signal on the EZON-32A module
<b>HOLD-*</b>	D	Connect to the corresponding signal on the EZON-32A module

**OPS USED FOR TESTING:** 3.18.06, 5.01.29x  
**COMPILER USED FOR TESTING:** SimplWindows Version 1.20.04  
**SAMPLE PROGRAM:** EZONTSTA  
**REVISION HISTORY:** None