SIMPLWINDOWS NAME:	Enerzone 32 Zone Full Control module
CATEGORY:	HVAC
VERSION:	1.1
SUMMARY:	Provides control of all standard functions in all 32 zones
GENERAL NOTES:	This module will allow control of all standard functions on all 32 zones of an Enerzone HVAC system. Parameters that can be set are heat setpoint, cool setpoint, mode, fan, and hold. True feedback from the Enerzone will be reflected at the output of the module. This feedback will also include the current room temperature. The module functions as follows: 1. Choose the zone to monitor/control 2. Settings for that zone will be requested automatically, and reflected at the output of the module. 3. Make any adjustments desired. They will be sent to the Enerzone system immediately.
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:

ZONE-1-32	D	Pulse to select which of the 32 zones will be controlled
HEAT-UP-DOWN	D	Press and hold to adjust the heat setpoint up or down. The new setpoint will be reflected at the HEAT-SETPOINT output
COOL-UP-DOWN	D	Press and hold to adjust the cool setpoint up or down. The new setpoint will be reflected at the COOL-SETPOINT output
MODE-X	D	Press to select the desired mode of the zone
FAN-ON-AUTO	D	Press to place the fan into always on, or auto mode
HOLD-ON-OFF	D	Press to turn hold on or off. This corresponds to night mode and day mode respectively
SETUP-ENERZONE	D	Pulse to send out initialization strings to the Enerzone System. This may take several seconds.
AUTO-UPDATE-ENABLE	D	Place a 1 on this input to enable an automatic polling for status whenever a new zone is selected

MANUAL-UPDATE	D	Pulse this input to request a status update for the zone previously chosen. This input should not normally be needed, and can be defined as 0
ENERZONE-RX$	S	Serial data string to be routed from a 2-way RS232 port
HEAT-UPPER-LIMIT+1	P	Parameter to specify the upper limit of the heat setpoint. You must enter a value one greater than the desired maximum setpoint. For an upper limit of 85, enter 86D
HEAT-LOWER-LIMIT	P	Parameter to specify the lower limit of the heat setpoint.
COOL-UPPER-LIMIT+1	P	Parameter to specify the upper limit of the cool setpoint. You must enter a value one greater than the desired maximum setpoint. For an upper limit of 85, enter 86D
COOL-LOWER-LIMIT	P	Parameter to specify the lower limit of the cool setpoint.

FEEDBACK:

ZONE-1-32-FB	D	Indicates which zone is currently being monitored/controlled
CURRENT-TEMPERATURE	A	Indicates the current inside temperature of the selected zone
HEAT-SETPOINT	A	Indicates the current day mode heat setpoint for the selected zone
COOL-SETPOINT	A	Indicates the current day mode cool setpoint for the selected zone
MODE-X-FB	D	Indicates the mode of operation of the selected zone
FAN-ON-AUTO-FB	D	Indicates the fan state of the selected zone
HOLD-ON-OFF-FB	D	Indicates the hold state (day/night) of the selected zone
UPDATE-BUSY	D	High while the Enerzone system is being polled for status
ENERZONE-TX$	S	Serial data string to be routed to a 2-way RS232 port

OPS USED FOR TESTING:	3.18.06, 5.01.29x
COMPILER USED FOR TESTING:	SimplWindows Version 1.20.04
SAMPLE PROGRAM:	EZONTSTA
REVISION HISTORY:	EZON-32A - Original EZON-32B - Rewrite polling section so a response is waited for before the next poll command is sent.