

SIMPLWINDOWS NAME: Alerton On/Off Control

CATEGORY: HVAC

VERSION: 1.0

SUMMARY: Provides on/off control of any IBEX point in an Alerton system

GENERAL NOTES: This module is designed to work with Alerton IBEX points.

An IBEX point is a number from 1-999 that can be defined in the Alerton system to monitor the state of any sensor, or to control any device. Any TUX points that exist on the system can also be defined as an IBEX point. The persons installing the Alerton system can program these points. This module will only work with IBEX points.

This module works in conjunction with the ALERTXRX module to provide on/off control of any IBEX point on the Alerton system. A separate copy of this module should be used for each point desired to control or monitor. No matter how many copies of this module are used, they will all connect to a single copy of the ALERTXRX module.

This module can also be used to monitor the state of any one digital point on the Alerton system. Just define the ON and OFF inputs as 0. The module will continue to monitor the IBEX points defined and provide the state of the selected IBEX point.

There is a POLL-IN and a POLL-OUT signal on this module. The POLL-OUT should be connected to the POLL-IN on the next Alerton module. All modules should have their polling signals looped through each other. The last module in the list can be looped back to the first. It will take 2 seconds for this module to complete it's polling. These signals will allow each point being controlled or monitored to be polled one at a time.

CRESTRON HARDWARE REQUIRED: CNXCOM
ST-COM

SETUP OF CRESTRON HARDWARE: Tested and verified at the following settings:

Baud Rate - 9600
Parity - Odd
Data Bits - 7
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: None

CABLE NUMBER: CNSP-121

CONTROL:

IBEX-DIGITAL	A	Goes high when the module is finished polling (1 second after it starts). This should be looped through all Alerton modules in the system ON-FB
ON	D	Used to turn the selected IBEX point on
OFF	D	Used to turn the selected IBEX point off

POLL-IN D This signal causes the module to poll the Alerton system for the state of the selected IBEX point. This should be looped through all Alerton modules in the system

FEEDBACK:

POLL-OUT D Goes high when the module is finished polling (1 second after it starts). This should be looped through all Alerton modules in the system ON-FB

ON-FB D Indicates if the selected IBEX point is currently on

OFF-FB D Indicates if the selected IBEX point is currently off

TXRX-READ D A signal to be sent to the corresponding input on the ALERTXRX module.

TXRX-STORE D A signal to be sent to the corresponding input on the ALERTXRX module.

TXRX-SETPOINT A A signal to be sent to the corresponding input on the ALERTXRX module.

TXRX-FEEDBACK-1 A A signal to be sent to the corresponding input on the ALERTXRX module.

TXRX-FEEDBACK-2 A A signal to be sent to the corresponding input on the ALERTXRX module.

TXRX-READ-POINT A A signal to be sent to the corresponding input on the ALERTXRX module.

TXRX-WRITE-POINT A A signal to be sent to the corresponding input on the ALERTXRX module.

TXRX-ON D A signal to be sent to the corresponding input on the ALERTXRX module.

TXRX-OFF D A signal to be sent to the corresponding input on the ALERTXRX module.

OPS USED FOR TESTING: 3.16.08
COMPILER USED FOR TESTING: 3.18.04
SAMPLE PROGRAM: ALERTST1
REVISION HISTORY: None