InetSupervisor™

# Q1-MZN Multi Zone Controller App

**Multi-Protocol: BACnet/IP and LonWorks**

MADE IN U. S. A.

## Applications

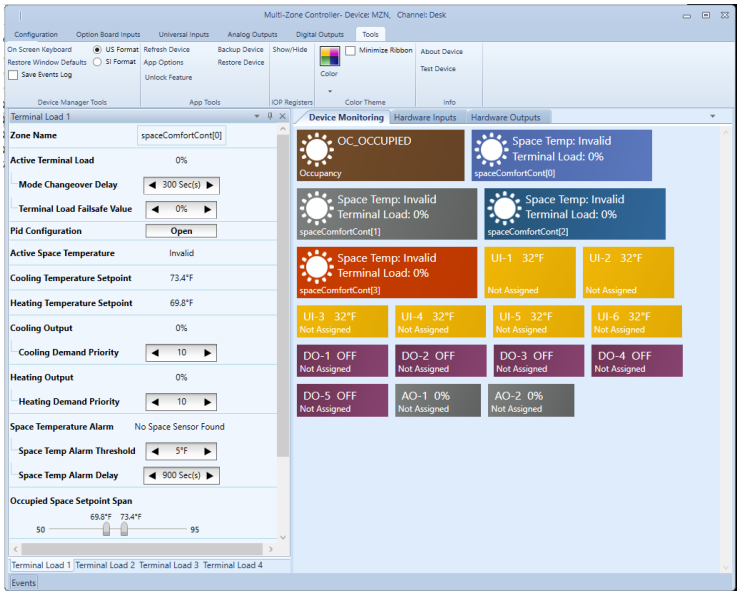
Application is compatible with Q1 Hardware. A slave application compatible with the Air Handling Unit application. Can control up to 4 independent zone's with volume damper control, dual duct control damper, and a single heating and cooling stage. Attaches easily to the Air Handler application using the supplied zone management tool.

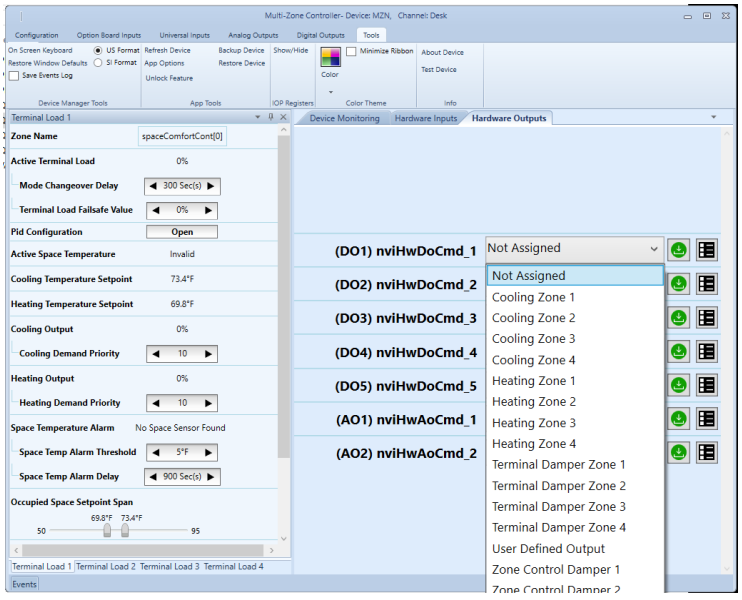
## Software

Software features include:

- Up to 4 independent zones with a single controller
- Full PID control of the space temperature loads
- Capacity for addition per zone heating equipment control, both analog or digital outputs
- Capacity for addition per zone cooling equipment control, both analog or digital outputs
- "Smart" volume damper resets for pressure control, eliminating the need for "bypass" or "dump" dampers in VVT applications.
- Built in per zone Heating and Cooling priority levels
- Built in dual duct temperature damper control
- Separate zone temperature set points for Occupied, Standby, and Unoccupied modes
- Loss of communications fail-safe values
- Built in Alarming
    - High Space Temperature Alarm
    - Low Space Temperature Alarm
    - Sensor Alarms
- Changeable network variable types.
- Slave mode for any unused I/O, which can be bound to another controller.

LNS Plug-in provides graphical user interface for configuration and monitoring. Plug-in simplifies hardware I/O customization, communication parameters, and control sequences. Plug-in can be executed from within network management tool such as LonMaker for Windows or similar.

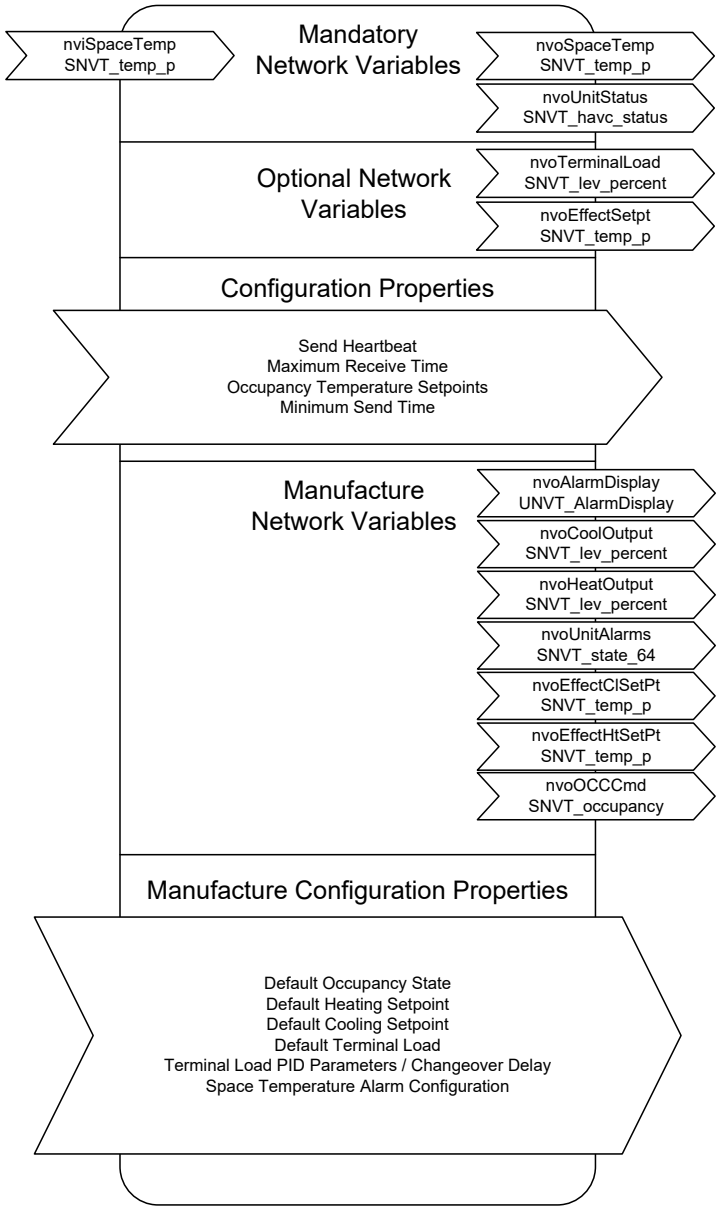


## MZN Profile

All variables with SNVT_xxx have Changeable Types feature.

## Network Profile



## Open Loop Sensor Profile

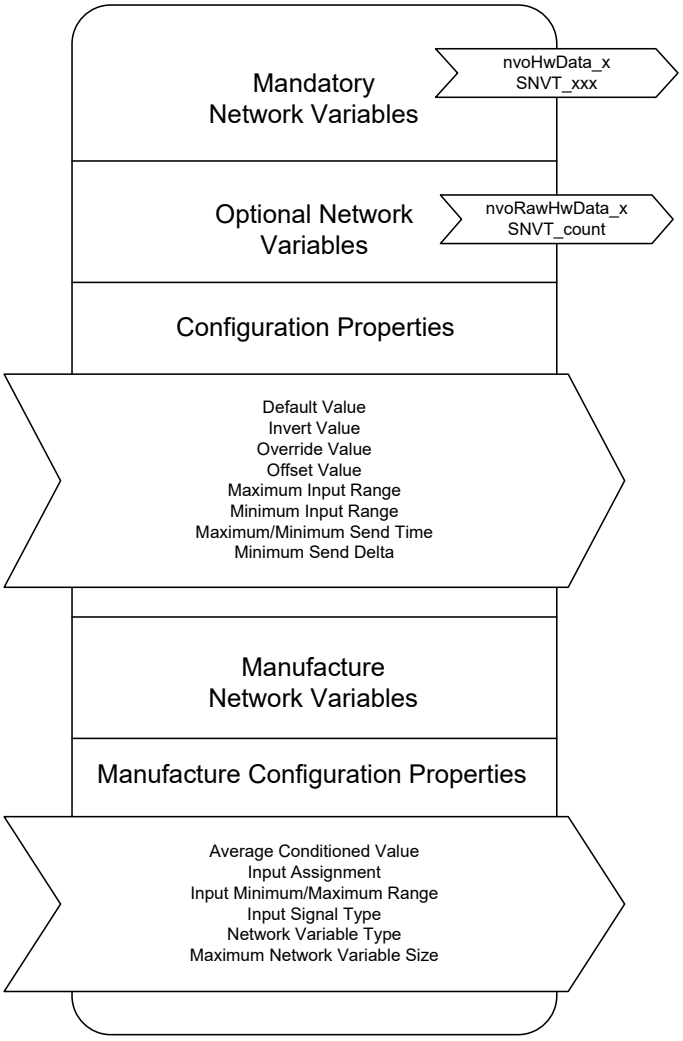
Open Loop Sensor profile is used by all physical inputs. Inputs can be used as slave I/O or as part of the main application.

All variables with SNVT_xxx have Changeable Types feature.

## Network Profile

Open Loop Sensor functional block information.

(Physical inputs)



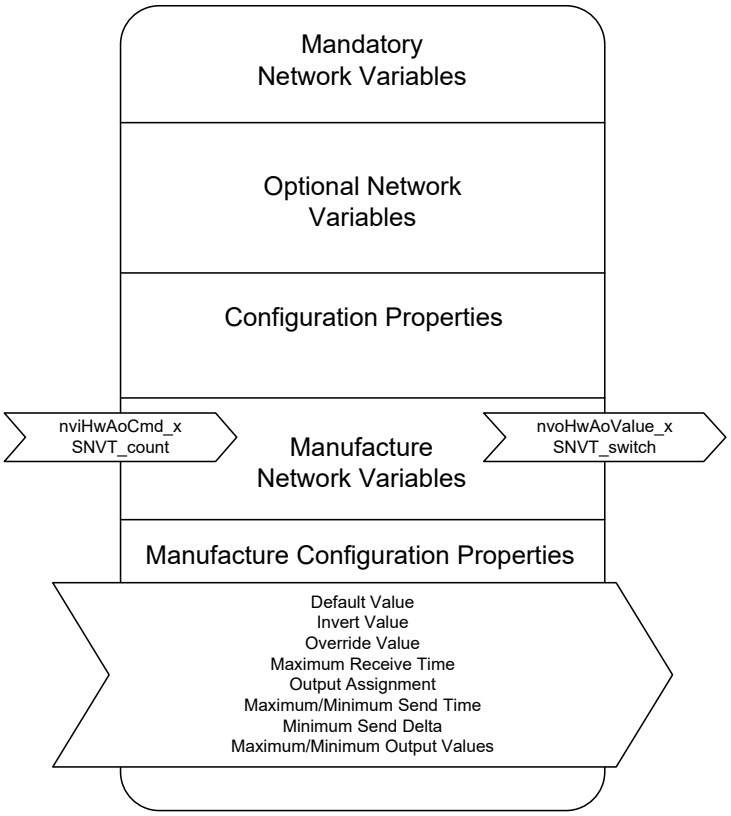
## Open Loop Actuator Profile

Analog Output profile is used by all analog outputs. Outputs can be used as slave I/O or as part of the main application.

All variables with SNVT_xxx have Changeable Types feature.

## Network Profile

Analog Outputs functional block information.



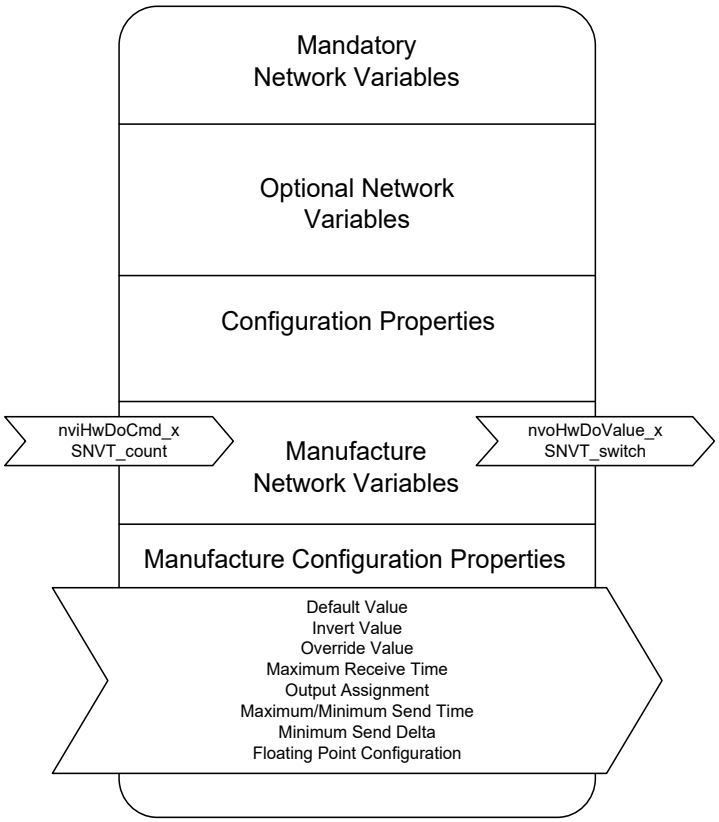
## Open Loop Sensor Profile

Digital Output profile is used by all digital outputs. Outputs can be used as slave I/O or as part of the main application.

All variables with SNVT_xxx have Changeable Types feature.

## Network Profile

Digital Outputs functional block information.



## Node Object Profile

Node Object profile includes hardware specific network variables. The variables are for internal and use by the plug-in only.

## Network Profile

Node Object functional block information.