

BACNet

Summary Information

Communication Driver Name: BACNet

Implementation DLL: T.ProtocolDriver. BACNet.dll

Protocol: Proprietary

Manufacturer: BACNet

PC Hardware requirements: Ethernet Port

Channel Configuration

Protocol Options: Not used in this driver

Node Configuration

Station Configuration

Device ID: Each device on a BACnet inter-network is uniquely identified by its network number and device object instance.

IP: Specifies the local BACnet/IP network number on which the driver is located.

Port: Specifies the local UDP port.

Connect Timeout: he connection timeout setting is the amount of time that the driver will wait for response

Retry Attempts: The valid range is 1 to 10. The default setting is 3 retries.

Name	Channel	PrimaryStation
BacNet	BacNet	1;192.168.0.13;47808;1000;5

Device ID

1

IP

192.168.0.13

Port

47808

Connect Timeout

1000

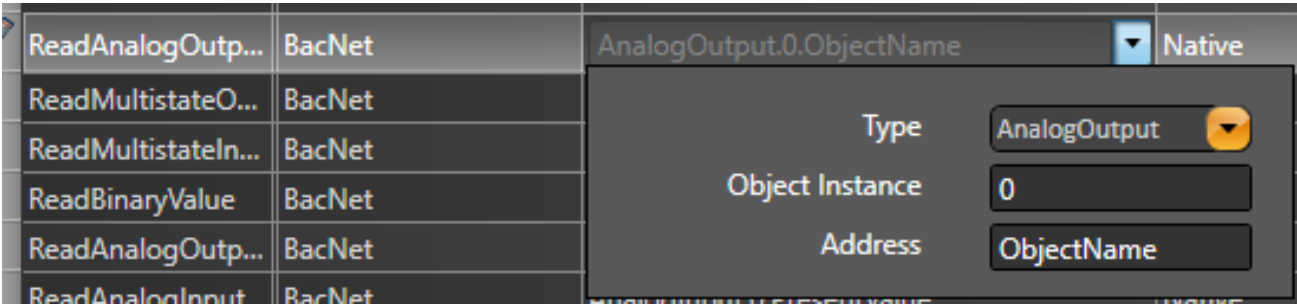
Retry Attempts

5

Point Configuration

Address

The syntax for the BACNet communication point is as follows:



Type: Datatype indicator:

- AnalogOutput
- AnalogInput
- AnalogValue
- BinaryOutput
- BinaryInput
- BinaryValue
- MultiStateInput
- MultiStateOutput

Object instance: as the instance on the BACnet Device.

Address: as the property that is going to be read/written.

BACnet/IP Objects

use menu on right for below

Accumulator

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
Description	CharacterString	String	Read Only	No
DeviceType	CharacterString	String	Read Only	No
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No

HighLimit	Unsigned Integer	DWord, Long	Read Only	No
LimitEnable	BACnetLimitEnable	Word, Short	Read/Write	No
.HighLimitEnable		Boolean		
.LowLimitEnable		Boolean		
LimitMonitoringInterval	Unsigned Integer	DWord, Long	Read/Write	No
LowLimit	Unsigned Integer	DWord, Long	Read Only	No
MaxPresValue	Unsigned Integer	DWord, Long	Read Only	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier4	BACnetObjectIdentifier	DWord, Long	Read Only	No
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
Prescale	BACnetPrescale	String	Read/Write	No
PresentValue	Unsigned Integer	DWord, Long	Read/Write	No
ProfileName	CharacterString	String	Read Only	No
PulseRate	Unsigned Integer	DWord, Long	Read Only	No
Reliability	*****	DWord, Long	Read Only	No
Scale	BACnetScale	String	Read/Write	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	No
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
Units	*****	DWord, Long	Read Only	No
ValueBeforeChange	Unsigned Integer	DWord, Long	Read Only	No
ValueChangeTime	BACnetDateTime	String	Read Only	No
ValueSet	Unsigned Integer	DWord, Long	Read Only	No

Priority Array Elements Accumulator

Priority Array elements may be "NULL" or the numerical command value currently in effect. The array element index may range from 1 to 16, inclusive.

Analog Input

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		

COVIncrement	REAL	Float	Read/Write	No
Deadband	REAL	Float	Read/Write	No
Description	CharacterString	String	Read Only	No
DeviceType	CharacterString	String	Read Only	No
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No
HighLimit	REAL	Float	Read Only	No
LimitEnable	BACnetLimitEnable	Word, Short	Read/Write	No
.HighLimitEnable		Boolean		
.LowLimitEnable		Boolean		
LowLimit	REAL	Float	Read Only	No
MaxPresValue	REAL	Float	Read Only	No
MinPresValue	REAL	Float	Read Only	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
PresentValue	REAL	Float	Read/Write	Yes
ProfileName	CharacterString	String	Read Only	No
Reliability	*****	DWord, Long	Read Only	No
Resolution	REAL	Float	Read Only	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
Units	*****	DWord, Long	Read Only	No
UpdateInterval	Unsigned Integer	DWord, Long	Read/Write	No

Analog Output

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
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AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
COVIncrement	REAL	Float	Read/Write	No
Deadband	REAL	Float	Read/Write	No
Description	CharacterString	String	Read Only	No
DeviceType	CharacterString	String	Read Only	No
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No
HighLimit	REAL	Float	Read Only	No
LimitEnable	BACnetLimitEnable	Word, Short	Read/Write	No
.HighLimitEnable		Boolean		
.LowLimitEnable		Boolean		
LowLimit	REAL	Float	Read Only	No
MaxPresValue	REAL	Float	Read Only	No
MinPresValue	REAL	Float	Read Only	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
PresentValue	REAL	Float	Read/Write	Yes
PriorityArray	Array of BACnetPriorityArray	String	Read Only	No
ProfileName	CharacterString	String	Read Only	No
Reliability	*****	DWord, Long	Read Only	No
RelinquishDefault	REAL	Float	Read/Write	No
Resolution	REAL	Float	Read Only	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No

Units	*****	DWord, Long	Read Only	No
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Analog Value

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
COVIncrement	REAL	Float	Read/Write	No
Deadband	REAL	Float	Read/Write	No
Description	CharacterString	String	Read Only	No
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No
HighLimit	REAL	Float	Read Only	No
LimitEnable	BACnetLimitEnable	Word, Short	Read/Write	No
.HighLimitEnable		Boolean		
.LowLimitEnable		Boolean		
LowLimit	REAL	Float	Read Only	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	No
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
PresentValue	REAL	Float	Read/Write	Yes
PriorityArray	Array of BACnetPriorityArray	String	Read Only	No
ProfileName	CharacterString	String	Read Only	No
Reliability	*****	DWord, Long	Read Only	No
RelinquishDefault	REAL	Float	Read/Write	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		

TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
Units	*****	DWord, Long	Read Only	No

Averaging

Property Mnemonic	BACnet Data Type	OPC Data Type	Access
AttemptedSamples	Unsigned Integer	DWord, Long	Read Only
AverageValue	REAL	Float	Read Only
Description	CharacterString	String	Read Only
MaximumValue	REAL	Float	Read Only
MaximumValueTimestamp	BACnetDateTime	String	Read Only
MinimumValue	REAL	Float	Read Only
MinimumValueTimestamp	BACnetDateTime	String	Read Only
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only
.ObjectInstance		DWord, Long	
.ObjectType		DWord, Long	
ObjectName	CharacterString	String	Read Only
ObjectType	*****	DWord, Long	Read Only
ProfileName	CharacterString	String	Read Only
ValidSamples	Unsigned Integer	DWord, Long	Read Only
VarianceValue	REAL	Float	Read Only
WindowInterval	Unsigned Integer	DWord, Long	Read/Write
WindowSamples	Unsigned Integer	DWord, Long	Read/Write

Binary Input

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
ActiveText	CharacterString	String	Read Only	No
AlarmValue	*****	Boolean	Read/Write	No
ChangeOfStateCount	Unsigned Integer	DWord, Long	Read/Write	No
ChangeOfStateTime	BACnetDateTime	String	Read Only	No
Description	CharacterString	String	Read Only	No
DeviceType	CharacterString	String	Read Only	No
ElapsedActiveTime	Unsigned Integer	DWord, Long	Read Only	No
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No

InactiveText	CharacterString	String	Read Only	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	No
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
Polarity	*****	Boolean	Read/Write	No
PresentValue	*****	Boolean	Read/Write	Yes
ProfileName	CharacterString	String	Read Only	No
Reliability	*****	DWord, Long	Read Only	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
TimeOfActiveTimeReset	BACnetDateTime	String	Read Only	No
TimeOfStateCountReset	BACnetDateTime	String	Read Only	No

Binary Output

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
ActiveText	CharacterString	String	Read Only	No
ChangeOfStateCount	Unsigned Integer	DWord, Long	Read/Write	No
ChangeOfStateTime	BACnetDateTime	String	Read Only	No
Description	CharacterString	String	Read Only	No
DeviceType	CharacterString	String	Read Only	No
ElapsedActiveTime	Unsigned Integer	DWord, Long	Read Only	No
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No

FeedbackValue	*****	Boolean	Read/Write	No
InactiveText	CharacterString	String	Read Only	No
MinimumOffTime	Unsigned Integer	DWord, Long	Read Only	No
MinimumOnTime	Unsigned Integer	DWord, Long	Read Only	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	No
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
Polarity	*****	Boolean	Read/Write	No
PresentValue	*****	Boolean	Read/Write	Yes
PriorityArray	Array of BACnetPriorityArray	String	Read Only	No
ProfileName	CharacterString	String	Read Only	No
Reliability	*****	DWord, Long	Read Only	No
RelinquishDefault	*****	Boolean	Read/Write	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
TimeOfActiveTimeReset	BACnetDateTime	String	Read Only	No
TimeOfStateCountReset	BACnetDateTime	String	Read Only	No

Binary Value

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
ActiveText	CharacterString	String	Read Only	No
AlarmValue	*****	Boolean	Read/Write	No
ChangeOfStateCount	Unsigned Integer	DWord, Long	Read/Write	No
ChangeOfStateTime	BACnetDateTime	String	Read Only	No
Description	CharacterString	String	Read Only	No
ElapsedActiveTime	Unsigned Integer	DWord, Long	Read Only	No

EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No
InactiveText	CharacterString	String	Read Only	No
MinimumOffTime	Unsigned Integer	DWord, Long	Read Only	No
MinimumOnTime	Unsigned Integer	DWord, Long	Read Only	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	No
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
PresentValue	*****	Boolean	Read/Write	Yes
PriorityArray	Array of BACnetPriorityArray	String	Read Only	No
ProfileName	CharacterString	String	Read Only	No
Reliability	*****	DWord, Long	Read Only	No
RelinquishDefault	*****	Boolean	Read/Write	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
TimeOfActiveTimeReset	BACnetDateTime	String	Read Only	No
TimeOfStateCountReset	BACnetDateTime	String	Read Only	No

Calendar

Property Mnemonic	BACnet Data Type	OPC Data Type	Access
DateList	CalendarEntry	String	Read Only
DateList	List of CalendarEntry	String	Read/Write
Description	CharacterString	String	Read Only
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only
.ObjectInstance		DWord, Long	
.ObjectType		DWord, Long	
ObjectName	CharacterString	String	Read Only
ObjectType	*****	DWord, Long	Read Only

PresentValue	Boolean	Boolean	Read/Write
ProfileName	CharacterString	String	Read Only

Command

Property Mnemonic	BACnet Data Type	OPC Data Type	Access
ActionText	Array of CharacterString	String	Read/Write
AllWritesSuccessful	Boolean	Boolean	Read Only
Description	CharacterString	String	Read Only
InProcess	Boolean	Boolean	Read Only
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only
.ObjectInstance		DWord, Long	
.ObjectType		DWord, Long	
ObjectName	CharacterString	String	Read Only
ObjectType	*****	DWord, Long	Read Only
PresentValue	Unsigned Integer	DWord, Long	Read/Write
ProfileName	CharacterString	String	Read Only

Device

Property Mnemonic	BACnet Data Type	OPC Data Type	Access
APDUSegmentTimeout	Unsigned Integer	DWord, Long	Read/Write
APDUTimeout	Unsigned Integer	DWord, Long	Read/Write
ApplicationSoftwareVersion	CharacterString	String	Read Only
BackupFailureTimeout	Unsigned Integer	Word, Short	Read Only
ConfigurationFiles	Array of ObjectIdentifier	DWord, Long	Read Only
DatabaseRevision	Unsigned Integer	DWord, Long	Read Only
DaylightSavingsStatus	Boolean	Boolean	Read Only
Description	CharacterString	String	Read Only
FirmwareRevision	CharacterString	String	Read Only
LastRestoreTime	BACnetDateTime	String	Read Only
LocalDate	Date	String	Read Only
LocalTime	Time	String	Read Only
Location	CharacterString	String	Read Only
MaxAPDULengthAccepted	Unsigned Integer	DWord, Long	Read/Write
MaxInfoFrames	Unsigned Integer	DWord, Long	Read Only
MaxMaster	Unsigned Integer	DWord, Long	Read Only
MaxSegmentsAccepted	Unsigned Integer	DWord, Long	Read Only
ModelName	CharacterString	String	Read Only
NumberOfAPDURetries	Unsigned Integer	DWord, Long	Read/Write

ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only
.ObjectInstance		DWord, Long	
.ObjectType		DWord, Long	
ObjectList	Array of ObjectIdentifier	DWord, Long	Read Only
ObjectName	CharacterString	String	Read Only
ObjectType	*****	DWord, Long	Read Only
ProfileName	CharacterString	String	Read Only
ProtocolRevision	Unsigned Integer	DWord, Long	Read Only
ProtocolVersion	Unsigned Integer	DWord, Long	Read Only
SegmentationSupported	*****	DWord, Long	Read Only
SystemStatus	*****	DWord, Long	Read/Write
UTCOffset	INTEGER	Long, Word	Read Only
VendorIdentifier	Unsigned Integer	Word, Short	Read Only
VendorName	CharacterString	String	Read Only

Event Enrollment

Property Mnemonic	BACnet Data Type	OPC Data Type	Access
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only
.ToFault		Boolean	
.ToNormal		Boolean	
.ToOffNormal		Boolean	
Description	CharacterString	String	Read Only
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write
.ToFault		Boolean	
.ToNormal		Boolean	
.ToOffNormal		Boolean	
EventState	****	DWord, Long	Read Only
EventTimeStamps	Array of Timestamp	String	Read Only
EventType		DWord, Long	Read Only
IssueConfirmedNotifications	Boolean	Boolean	Read/Write
NotificationClass	Unsigned Integer	DWord, Long	Read Only
NotifyType	****	DWord, Long	Read Only
ObjectIdentifier4	BACnetObjectIdentifier	DWord, Long	Read Only
.ObjectInstance		DWord, Long	
.ObjectType		DWord, Long	
ObjectName	CharacterString	String	Read Only
ObjectType	*****	DWord, Long	Read Only
Priority	Unsigned Integer	DWord, Long	Read Only
ProcessIdentifier	Unsigned Integer	DWord, Long	Read/Write
ProfileName	CharacterString	String	Read Only

File

Property Mnemonic	BACnet Data Type	OPC Data Type	Access
Archive	Boolean	Boolean	Read Only
Description	CharacterString	String	Read Only
FileAccessMethod		DWord, Long	Read Only
FileSize	Unsigned Integer	DWord, Long	Read Only
FileType	CharacterString	String	Read Only
ModificationDate	BACnetDateTime	String	Read Only
ObjectIdentifier4	BACnetObjectIdentifier	DWord, Long	Read Only
.ObjectInstance		DWord, Long	
.ObjectType		DWord, Long	
ObjectName	CharacterString	String	Read Only
ObjectType	*****	DWord, Long	Read Only
ProfileName	CharacterString	String	Read Only
ReadOnly	Boolean	Boolean	Read Only
RecordCount	Unsigned Integer	DWord, Long	Read/Write

Group

Property Mnemonic	BACnet Data Type	OPC Data Type	Access
Description	CharacterString	String	Read Only
ObjectIdentifier4	BACnetObjectIdentifier	DWord, Long	Read Only
.ObjectInstance		DWord, Long	
.ObjectType		DWord, Long	
ObjectName	CharacterString	String	Read Only
ObjectType	*****	DWord, Long	Read Only
ProfileName	CharacterString	String	Read Only

Life Safety Point

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AcceptedModes	*****	DWord, Long	Read Only	No
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
AlarmValue	*****	Boolean	Read/Write	No
Description	CharacterString	String	Read Only	No
DeviceType	CharacterString	String	Read Only	No
DirectReading	REAL	Float	Read Only	No

EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No
FaultValues		DWord, Long	Read Only	No
LifeSafetyAlarmValues		DWord, Long	Read Only	No
MaintenanceRequired		DWord, Long	Read/Write	No
Mode		DWord, Long	Read/Write	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	No
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OperationExpected		DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
PresentValue	*****	Boolean	Read/Write	Yes
ProfileName	CharacterString	String	Read Only	No
Setting	Unsigned Integer	Byte, Char	Read/Write	No
Silenced		DWord, Long	Read Only	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
TrackingValue		DWord, Long	Read Only	
Units		DWord, Long	Read Only	No

Life Safety Zone

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AcceptedModes	*****	DWord, Long	Read Only	No
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
AlarmValue	*****	Boolean	Read/Write	No

Description	CharacterString	String	Read Only	No
DeviceType	CharacterString	String	Read Only	No
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No
FaultValues		DWord, Long	Read Only	No
LifeSafetyAlarmValues		DWord, Long	Read Only	No
MaintenanceRequired		DWord, Long	Read/Write	No
Mode		DWord, Long	Read/Write	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	No
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OperationExpected		DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
PresentValue	*****	Boolean	Read/Write	Yes
ProfileName	CharacterString	String	Read Only	No
Reliability		DWord, Long	Read Only	No
Silenced		DWord, Long	Read Only	No
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
TrackingValue		DWord, Long	Read Only	

Loop

Property Mnemonic	BACnet Data Type	OPC Data Type	Access	COV
AckedTransitions	BACnetEventTransitionBits	Word, Short	Read Only	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
Action		DWord, Long	Read Only	No

Bias	REAL	Float	Read/Write	No
ControlledVariableUnits		DWord, Long	Read Only	No
ControlledVariableValue	REAL	Float	Read Only	Yes
COVIncrement	REAL	Float	Read/Write	No
DerivativeConstant	REAL	Float	Read/Write	No
DerivativeConstantUnits		DWord, Long	Read Only	No
Description	CharacterString	String	Read Only	No
ErrorLimit	REAL	Float	Read/Write	No
EventEnable	BACnetEventTransitionBits	Word, Short	Read/Write	No
.ToFault		Boolean		
.ToNormal		Boolean		
.ToOffNormal		Boolean		
EventState	*****	DWord, Long	Read Only	No
EventTimeStamps	Array of Timestamp	String	Read Only	No
IntegralConstant	REAL	Float	Read/Write	No
IntegralConstantUnits		DWord, Long	Read Only	No
MaximumOutput	REAL	Float	Read Only	No
MinimumOutput	REAL	Float	Read Only	No
NotificationClass	Unsigned Integer	DWord, Long	Read Only	No
NotifyType	*****	DWord, Long	Read Only	No
ObjectIdentifier	BACnetObjectIdentifier	DWord, Long	Read Only	No
.ObjectInstance		DWord, Long		
.ObjectType		DWord, Long		
ObjectName	CharacterString	String	Read Only	No
ObjectType	*****	DWord, Long	Read Only	No
OutOfService	Boolean	Boolean	Read/Write	No
OutputUnits		DWord, Long	Read Only	No
PresentValue	REAL	Float	Read Only	Yes
PriorityForWriting	Unsigned Integer	DWord, Long	Read/Write	No
ProfileName	CharacterString	String	Read Only	No
ProportionalConstant	REAL	Float	Read/Write	No
ProportionalConstantUnits		DWord, Long	Read Only	No
Reliability		DWord, Long	Read Only	No
Setpoint	REAL	Float	RRead/Write	Yes
StatusFlags	BACnetStatusFlags	Word, Short	Read Only	Yes
.Fault		Boolean		
.InAlarm		Boolean		
.OutOfService		Boolean		
.Overridden		Boolean		
TimeDelay	Unsigned Integer	DWord, Long	Read/Write	No
UpdateInterval	Unsigned Integer	DWord, Long	Read/Write	No



Tip Item

Here is an example Tip Item.



Info Item

Here is an example Info Item.



Warning Item

Here is an example Warning Item.



Note Item

And this is a Note Item.

Panel Title

Here is some text you want to point out. Perhaps some text the user should expect to see on the screen after performing some function or click.

Be sure to add a ">" symbol before a line that is representing a system prompt, and **bold** the text a user should enter such as this:

> Enter your name: **Roberto**

If you have a clear screen shot, add the picture in that clearly shows the relevant details.

Here is a Code Block - Specify the language you're showing (C#, VB.NET, JavaScript, Python, etc)

Code Block Example

[Language: C#]

[Language: VB.NET]

Here is a table you can use.

Term	Description

