

BACnet Explorer Writable Properties by Objects

Properties of the Analog Input Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | REAL |
| Description | CharacterString |
| Device_Type | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Update_Interval | Unsigned |
| Units | BACnetEngineeringUnits |
| Min_Pres_Value | REAL |
| Max_Pres_Value | REAL |
| Resolution | REAL |
| COV_Increment | REAL |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| High_Limit | REAL |
| Low_Limit | REAL |
| Deadband | REAL |
| Limit_Enable | BACnetLimitEnable |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Fault_High_Limit | REAL |
| Fault_Low_Limit | REAL |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Properties of the Analog Output Object Type

| Property Identifier | Property Datatype |
|---------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | REAL |
| Description | CharacterString |
| Device_Type | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Units | BACnetEngineeringUnits |

| | |
|--------------------------------|-----------------------------------|
| Min_Pres_Value | REAL |
| Max_Pres_Value | REAL |
| Resolution | REAL |
| Relinquish_Default | REAL |
| COV_Increment | REAL |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| High_Limit | REAL |
| Low_Limit | REAL |
| Deadband | REAL |
| Limit_Enable | BACnetLimitEnable |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Properties of the Analog Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | REAL |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Units | BACnetEngineeringUnits |
| Resolution | REAL |
| Relinquish_Default | REAL |
| COV_Increment | REAL |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| High_Limit | REAL |
| Low_Limit | REAL |
| Deadband | REAL |
| Limit_Enable | BACnetLimitEnable |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |
| Time_Delay_Normal | Unsigned |

| | |
|------------------|-----------------|
| Min_Pres_Value | REAL |
| Max_Pres_Value | REAL |
| Fault_High_Limit | REAL |
| Fault_Low_Limit | REAL |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Properties of the Averaging Object Type

| Property Identifier | Property Datatype |
|-------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Minimum_Value_Timestamp | BACnetDateTime |
| Description | CharacterString |
| Average_Value | REAL |
| Variance_Value | REAL |
| Maximum_Value | REAL |
| Maximum_Value_Timestamp | BACnetDateTime |
| Attempted_Samples | Unsigned |
| Valid_Samples | Unsigned |
| Window_Interval | Unsigned |
| Window_Samples | Unsigned |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Properties of the Binary Input Object Type

| Property Identifier | Property Datatype |
|----------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | BACnetBinaryPV |
| Description | CharacterString |
| Device_Type | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Polarity | BACnetPolarity |
| Inactive_Text | CharacterString |
| Active_Text | CharacterString |
| Change_Of_State_Time | BACnetDateTime |
| Change_Of_State_Count | Unsigned |
| Time_Of_State_Count_Reset | BACnetDateTime |
| Elapsed_Active_Time | Unsigned32 |
| Time_Of_Active_Time_Reset | BACnetDateTime |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Alarm_Value | BACnetBinaryPV |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |

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|--------------------------------|-----------------|
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Binary Output Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | BACnetBinaryPV |
| Description | CharacterString |
| Device_Type | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Polarity | BACnetPolarity |
| Inactive_Text | CharacterString |
| Active_Text | CharacterString |
| Change_Of_State_Time | BACnetDateTime |
| Change_Of_State_Count | Unsigned |
| Time_Of_State_Count_Reset | BACnetDateTime |
| Elapsed_Active_Time | Unsigned32 |
| Time_Of_Active_Time_Reset | BACnetDateTime |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Alarm_Value | BACnetBinaryPV |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Binary Value Object Type

| Property Identifier | Property Datatype |
|---------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | BACnetBinaryPV |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Inactive_Text | CharacterString |
| Active_Text | CharacterString |
| Change_Of_State_Time | BACnetDateTime |
| Change_Of_State_Count | Unsigned |
| Time_Of_State_Count_Reset | BACnetDateTime |
| Elapsed_Active_Time | Unsigned32 |

| | |
|--------------------------------|-----------------------------------|
| Time_Of_Active_Time_Reset | BACnetDateTime |
| Minimum_Off_Time | Unsigned32 |
| Minimum_On_Time | Unsigned32 |
| Relinquish_Default | BACnetBinaryPV |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Alarm_Value | BACnetBinaryPV |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Calendar Object Type

| Property Identifier | Property Datatype |
|---------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | BOOLEAN |
| Description | CharacterString |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Command Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | Unsigned |
| Description | CharacterString |
| In_Process | BOOLEAN |
| All_Writes_Successful | BOOLEAN |
| Action_Text | BACnetARRAY[N] of CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Device Object Type

| Property Identifier | Property Datatype |
|---------------------------------|--|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| System_Status | BACnetDeviceStatus |
| Vendor_Name | CharacterString |
| Vendor_Identifier | Unsigned16 |
| Model_Name | CharacterString |
| Firmware_Revision | CharacterString |
| Application_Software_Version | CharacterString |
| Location | CharacterString |
| Description | CharacterString |
| Protocol_Version | Unsigned |
| Protocol_Revision | Unsigned |
| Protocol_Services_Supported | BACnetServicesSupported |
| Protocol_Object_Types_Supported | BACnetObjectTypesSupported |
| Object_List | BACnetARRAY[N] of BACnetObjectIdentifier |
| Structured_Object_List | BACnetARRAY[N] of BACnetObjectIdentifier |
| Max_APDU_Length_Accepted | Unsigned |
| Segmentation_Supported | BACnetSegmentation |
| Max_Segments_Accepted | Unsigned |
| Local_Time | Time |
| Local_Date | Date |
| UTC_Offset | INTEGER |
| Daylight_Savings_Status | BOOLEAN |
| APDU_Segment_Timeout | Unsigned |
| APDU_Timeout | Unsigned |
| Number_Of_APDU_Retries | Unsigned |
| Max_Master | Unsigned(0..127) |
| Max_Info_Frames | Unsigned |
| Database_Revision | Unsigned |
| Configuration_Files | BACnetARRAY[N] of BACnetObjectIdentifier |
| Backup_Failure_Timeout | Unsigned16 |
| Backup_Preparation_Time | Unsigned16 |
| Restore_Preparation_Time | Unsigned16 |
| Restore_Completion_Time | Unsigned16 |
| Backup_And_Restore_State | BACnetBackupState |
| Last_Restart_Reason | BACnetRestartReason |
| Time_Synchronization_Interval | Unsigned |
| Align_Intervals | BOOLEAN |
| Interval_Offset | Unsigned |
| Serial_Number | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Notification_Class | Unsigned |
| Alarm_Value | BACnetBinaryPV |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |

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|---------------------------|-----------------|
| Profile_Location | CharacterString |
| Deployed_Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Event Enrollment Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Event_Type | BACnetEventType |
| Notify_Type | BACnetNotifyType |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Fault_Type | BACnetFaultType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

File Object Type

| Property Identifier | Property Datatype |
|---------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| File_Type | CharacterString |
| File_Size | Unsigned |
| Modification_Date | BACnetDateTime |
| Archive | BOOLEAN |
| Read_Only | BOOLEAN |
| File_Access_Method | BACnetFileAccessMethod |
| Record_Count | Unsigned |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Group Object Type

| Property Identifier | Property Datatype |
|---------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Life Safety Point Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | BACnetLifeSafetyState |
| Tracking_Value | BACnetLifeSafetyState |
| Description | CharacterString |
| Device_Type | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Mode | BACnetLifeSafetyMode |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Silenced | BACnetSilencedState |
| Operation_Expected | BACnetLifeSafetyOperation |
| Maintenance_Required | BACnetMaintenance |
| Setting | Unsigned8 |
| Direct_Reading | REAL |
| Units | BACnetEngineeringUnits |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Life Safety Zone Object Type

| Property Identifier | Property Datatype |
|----------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | BACnetLifeSafetyState |
| Tracking_Value | BACnetLifeSafetyState |
| Description | CharacterString |
| Device_Type | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Mode | BACnetLifeSafetyMode |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |

| | |
|--------------------------------|---------------------------|
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Silenced | BACnetSilencedState |
| Operation_Expected | BACnetLifeSafetyOperation |
| Maintenance_Required | BOOLEAN |
| Operation_Expected | BACnetLifeSafetyOperation |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Loop Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | REAL |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Update_Interval | Unsigned |
| Output_Units | BACnetEngineeringUnits |
| Controlled_Variable_Value | REAL |
| Controlled_Variable_Units | BACnetEngineeringUnits |
| Setpoint | REAL |
| Action | BACnetAction |
| Proportional_Constant | REAL |
| Proportional_Constant_Units | BACnetEngineeringUnits |
| Integral_Constant | REAL |
| Integral_Constant_Units | BACnetEngineeringUnits |
| Derivative_Constant | REAL |
| Derivative_Constant_Units | BACnetEngineeringUnits |
| Bias | REAL |
| Maximum_Output | REAL |
| Minimum_Output | REAL |
| Priority_For_Writing | Unsigned(1..16) |
| COV_Increment | REAL |
| Time_Delay | Unsigned |
| Error_Limit | REAL |
| Deadband | REAL |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Multi-state Input Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | Unsigned |
| Description | CharacterString |
| Device_Type | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Number_Of_States | Unsigned |
| State_Text | BACnetARRAY[N] of CharacterString |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Alarm_Values | BACnetLIST of Unsigned |
| Fault_Values | BACnetLIST of Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Multi-state Output Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | Unsigned |
| Description | CharacterString |
| Device_Type | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Number_Of_States | Unsigned |
| State_Text | BACnetARRAY[N] of CharacterString |
| Relinquish_Default | Unsigned |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Feedback_Value | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |

| | |
|------------------|-----------------|
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Multi-state Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | Unsigned |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Number_Of_States | Unsigned |
| State_Text | BACnetARRAY[N] of CharacterString |
| Relinquish_Default | Unsigned |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Alarm_Values | BACnetLIST of Unsigned |
| Fault_Values | BACnetLIST of Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Notification Class Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Notification_Class | Unsigned |
| Priority | BACnetARRAY[3] of Unsigned |
| Ack_Required | BACnetEventTransitionBits |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Program Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Program_State | BACnetProgramState |
| Program_Change | BACnetProgramRequest |
| Reason_For_Halt | BACnetProgramError |
| Description_Of_Halt | CharacterString |
| Program_Location | CharacterString |
| Description | CharacterString |
| Instance_Of | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Event_State | BACnetEventState |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Pulse Converter Object Type

| Property Identifier | Property Datatype |
|---------------------|---------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | REAL |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Units | BACnetEngineeringUnits |
| Scale_Factor | REAL |
| Adjust_Value | REAL |
| Count | Unsigned |
| Update_Time | BACnetDateTime |
| Count_Change_Time | BACnetDateTime |
| Count_Before_Change | Unsigned |
| COV_Increment | REAL |
| COV_Period | Unsigned |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| High_Limit | REAL |
| Low_Limit | REAL |
| Deadband | REAL |
| Limit_Enable | BACnetLimitEnable |
| Event_Enable | BACnetEventTransitionBits |

| | |
|--------------------------------|-----------------------------------|
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Schedule Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Priority_For_Writing | Unsigned(1..16) |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_State | BACnetEventState |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Trend Log Object Type

| Property Identifier | Property Datatype |
|-----------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Enable | BOOLEAN |
| Start_Time | BACnetDateTime |
| Stop_Time | BACnetDateTime |
| Log_Interval | Unsigned |
| COV_Resubscription_Interval | Unsigned |
| Stop_When_Full | BOOLEAN |
| Buffer_Size | Unsigned32 |
| Record_Count | Unsigned32 |
| Total_Record_Count | Unsigned32 |
| Logging_Type | BACnetLoggingType |
| Align_Intervals | BOOLEAN |
| Interval_Offset | Unsigned |
| Trigger | BOOLEAN |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |

| | |
|--------------------------------|-----------------------------------|
| Notification_Threshold | Unsigned32 |
| Records_Since_Notification | Unsigned32 |
| Last_Notify_Record | Unsigned32 |
| Notification_Class | Unsigned |
| Event_State | BACnetEventState |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Access Door Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | BACnetDoorValue |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Relinquish_Default | BACnetDoorValue |
| Door_Status | BACnetDoorStatus |
| Lock_Status | BACnetLockStatus |
| Secured_Status | BACnetDoorSecuredStatus |
| Door_Pulse_Time | Unsigned |
| Door_Extended_Pulse_Time | Unsigned |
| Door_Unlock_Delay_Time | Unsigned |
| Door_Open_Too_Long_Time | Unsigned |
| Door_Alarm_State | BACnetDoorAlarmState |
| Maintenance_Required | BACnetMaintenance |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Event Log Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Enable | BOOLEAN |
| Start_Time | BACnetDateTime |
| Stop_Time | BACnetDateTime |
| Stop_When_Full | BOOLEAN |
| Buffer_Size | Unsigned32 |
| Record_Count | Unsigned32 |
| Total_Record_Count | Unsigned32 |
| Notification_Threshold | Unsigned32 |
| Records_Since_Notification | Unsigned32 |
| Last_Notify_Record | Unsigned32 |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Load Control Object Type

| Property Identifier | Property Datatype |
|----------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | BACnetShedState |
| State_Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Start_Time | BACnetDateTime |
| Shed_Duration | Unsigned |
| Duty_Window | Unsigned |
| Enable | BOOLEAN |
| Full_Duty_Baseline | REAL |
| Expected_Shed_Level | BACnetShedLevel |
| Actual_Shed_Level | BACnetShedLevel |
| Shed_Levels | BACnetARRAY[N] of Unsigned |
| Shed_Level_Descriptions | BACnetARRAY[N] of CharacterString |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |

| | |
|--------------------------------|-----------------|
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Structured View Object Type

| Property Identifier | Property Datatype |
|-------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Node_Type | BACnetNodeType |
| Node_Subtype | CharacterString |
| Subordinate_Annotations | BACnetARRAY[N] of CharacterString |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Trend Log Multiple Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Start_Time | BACnetDateTime |
| Stop_Time | BACnetDateTime |
| Enable | BOOLEAN |
| Logging_Type | BACnetLoggingType |
| Log_Interval | Unsigned |
| Align_Intervals | BOOLEAN |
| Interval_Offset | Unsigned |
| Trigger | BOOLEAN |
| Stop_When_Full | BOOLEAN |
| Buffer_Size | Unsigned32 |
| Record_Count | Unsigned32 |
| Total_Record_Count | Unsigned32 |
| Notification_Threshold | Unsigned32 |
| Records_Since_Notification | Unsigned32 |
| Last_Notify_Record | Unsigned32 |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Access Point Object Type

| Property Identifier | Property Datatype |
|-----------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Authentication_Status | BACnetAuthenticationStatus |
| Active_Authentication_Policy | Unsigned |
| Number_Of_Authentication_Policies | Unsigned |
| Authentication_Policy_Names | BACnetARRAY[N] of CharacterString |
| Authorization_Mode | BACnetAuthorizationMode |
| Verification_Time | Unsigned |
| Lockout | BOOLEAN |
| Lockout_Relinquish_Time | Unsigned |
| Failed_Attempts | Unsigned |
| Max_Failed_Attempts | Unsigned |
| Failed_Attempts_Time | Unsigned |
| Threat_Level | BACnetAccessThreatLevel |
| Occupancy_Upper_Limit_Enforced | BOOLEAN |
| Occupancy_Lower_Limit_Enforced | BOOLEAN |
| Occupancy_Count_Adjust | BOOLEAN |
| Accompaniment_Time | Unsigned |
| Access_Event | BACnetAccessEvent |
| Access_Event_Tag | Unsigned |
| Priority_For_Writing | Unsigned (1..16) |
| Muster_Point | BOOLEAN |
| Notification_Class | Unsigned |
| Transaction_Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Access Zone Object Type

| Property Identifier | Property Datatype |
|------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Occupancy_Count | Unsigned |
| Occupancy_Count_Enable | BOOLEAN |
| Adjust_Value | INTEGER |
| Occupancy_Upper_Limit | Unsigned |

| | |
|--------------------------------|-----------------------------------|
| Occupancy_Lower_Limit | Unsigned |
| Last_Credential_Added_Time | BACnetDateTime |
| Last_Credential_Removed_Time | BACnetDateTime |
| Passback_Mode | BACnetAccessPassbackMode |
| Passback_Timeout | Unsigned |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Time_Delay_Normal | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Access User Object Type

| Property Identifier | Property Datatype |
|--------------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Global_Identifier | Unsigned32 |
| Reliability | BACnetReliability |
| User_Type | BACnetAccessUserType |
| User_Name | CharacterString |
| User_External_Identifier | CharacterString |
| User_Information_Reference | CharacterString |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Access Rights Object Type

| Property Identifier | Property Datatype |
|--------------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Global_Identifier | Unsigned32 |
| Reliability | BACnetReliability |
| Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Access Credential Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Global_Identifier | Unsigned32 |
| Reliability | BACnetReliability |
| Credential_Status | BACnetBinaryPV |
| Activation_Time | BACnetDateTime |
| Expiration_Time | BACnetDateTime |
| Days_Remaining | INTEGER |
| Uses_Remaining | INTEGER |
| Absentee_Limit | Unsigned |
| Last_Access_Event | BACnetAccessEvent |
| Last_Use_Time | BACnetDateTime |
| Trace_Flag | BOOLEAN |
| Threat_Authority | BACnetAccessThreatLevel |
| Extended_Time_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Credential Data Input Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Supported_Format_Classes | BACnetARRAY[N] of Unsigned |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Event_State | BACnetEventState |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

CharacterString Value Object Type

| Property Identifier | Property Datatype |
|---------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |

| | |
|--------------------------------|-----------------------------------|
| Out_Of_Service | BOOLEAN |
| Relinquish_Default | CharacterString |
| Time_Delay | Unsigned |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Event_State | BACnetEventState |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Event_Algorithm_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Date/Time Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | BACnetDateTime |
| Status_Flags | BACnetStatusFlags |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Relinquish_Default | CharacterString |
| Is_UTC | BOOLEAN |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Event_State | BACnetEventState |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Large Analog Value Object Type

| Property Identifier | Property Datatype |
|---------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | Double |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |

| | |
|--------------------------------|-----------------------------------|
| Units | BACnetEngineeringUnits |
| Relinquish_Default | Double |
| COV_Increment | Double |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| High_Limit | Double |
| Low_Limit | Double |
| Deadband | Double |
| Limit_Enable | BACnetLimitEnable |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Min_Pres_Value | Double |
| Max_Pres_Value | Double |
| Resolution | Double |
| Fault_High_Limit | Double |
| Fault_Low_Limit | Double |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

BitString Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | BIT STRING |
| Bit_Text | BACnetARRAY[N] of CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Relinquish_Default | BIT STRING |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Alarm_Values | BACnetARRAY[N] of BIT STRING |
| Bit_Mask | BIT STRING |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

OctetString Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | OCTET STRING |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Relinquish_Default | OCTET STRING |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Time Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | Time |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Relinquish_Default | Time |
| Notification_Class | Unsigned |
| Alarm_Values | BACnetARRAY[N] of BIT STRING |
| Bit_Mask | BIT STRING |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Integer Value Object Type

| Property Identifier | Property Datatype |
|---------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | INTEGER |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |

| | |
|--------------------------------|-----------------------------------|
| Reliability | BACnetReliability |
| Units | BACnetEngineeringUnits |
| Relinquish_Default | INTEGER |
| COV_Increment | Unsigned |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| High_Limit | INTEGER |
| Low_Limit | INTEGER |
| Deadband | Unsigned |
| Limit_Enable | BACnetLimitEnable |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Min_Pres_Value | Unsigned |
| Max_Pres_Value | Unsigned |
| Resolution | Unsigned |
| Fault_High_Limit | Unsigned |
| Fault_Low_Limit | Unsigned |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Positive Integer Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | Unsigned |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Units | BACnetEngineeringUnits |
| Relinquish_Default | Unsigned |
| COV_Increment | Unsigned |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| High_Limit | INTEGER |
| Low_Limit | INTEGER |
| Deadband | Unsigned |
| Limit_Enable | BACnetLimitEnable |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |

| | |
|------------------|-----------------|
| Min_Pres_Value | Unsigned |
| Max_Pres_Value | Unsigned |
| Resolution | Unsigned |
| Fault_High_Limit | Unsigned |
| Fault_Low_Limit | Unsigned |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Date Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | Date |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Relinquish_Default | Date |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

DateTime Pattern Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | BACnetDateTime |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Is_UTC | BOOLEAN |
| Reliability | BACnetReliability |
| Relinquish_Default | BACnetDateTime |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Time Pattern Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | Time |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Relinquish_Default | Time |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Date Pattern Value Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | Date |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Reliability | BACnetReliability |
| Relinquish_Default | Date |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Network Security Object Type

| Property Identifier | Property Datatype |
|-----------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Base_Device_Security_Policy | BACnetSecurityLevel |

| | |
|-------------------------------|-------------------------|
| Security_Time_Window | Unsigned |
| Packet_Reorder_Time | Unsigned |
| Distribution_Key_Revision | Unsigned8 |
| Security_PDU_Timeout | Unsigned16 |
| Update_Key_Set_Timeout | Unsigned16 |
| Supported_Security_Algorithms | BACnetLIST of Unsigned8 |
| Do_Not_Hide | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Global Group Object Type .

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Group_Member_Names | BACnetARRAY[N] of CharacterString |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Out_Of_Service | BOOLEAN |
| Update_Interval | Unsigned |
| Requested_Update_Interval | Unsigned |
| COV_Resubscription_Interval | Unsigned |
| Time_Delay | Unsigned |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| COVU_Period | Unsigned |
| COVU_Recipients | Unsigned |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Notification Forwarder Object Type

| Property Identifier | Property Datatype |
|--------------------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Local_Forwarding_Only | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Alert Enrollment Object Type

| Property Identifier | Property Datatype |
|----------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | BACnetObjectIdentifier |
| Event_State | BACnetEventState |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Detection_Enable | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Channel Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | BACnetChannelValue |
| Last_Priority | Unsigned |
| Write_Status | BACnetWriteStatus |
| Status_Flags | BACnetStatusFlags |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Execution_Delay | BACnetARRAY[N] of Unsigned |
| Allow_Group_Delay_Inhibit | BOOLEAN |
| Channel_Number | Unsigned16 |
| Control_Groups | BACnetARRAY[N] of Unsigned32 |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Event_State | BACnetEventState |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Lighting Output Object Type

| Property Identifier | Property Datatype |
|---------------------|--------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | REAL |
| Tracking_Value | REAL |
| In_Progress | BACnetLightingInProgress |
| Description | CharacterString |

| | |
|-----------------------------------|--------------------------|
| Status_Flags | BACnetStatusFlags |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Blink_Warn_Enable | BOOLEAN |
| Egress_Time | Unsigned |
| Egress_Active | BOOLEAN |
| Default_Fade_Time | Unsigned |
| Default_Ramp_Rate | REAL |
| Default_Step_Increment | REAL |
| Transition | BACnetLightingTransition |
| Feedback_Value | REAL |
| Relinquish_Default | REAL |
| Power | REAL |
| Instantaneous_Power | REAL |
| Min_Actual_Value | REAL |
| Max_Actual_Value | REAL |
| Lighting_Command_Default_Priority | Unsigned |
| COV_Increment | |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Binary Lighting Output Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | BACnetBinaryLightingPV |
| Status_Flags | BACnetStatusFlags |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Blink_Warn_Enable | BOOLEAN |
| Egress_Time | Unsigned |
| Egress_Active | BOOLEAN |
| Feedback_Value | BACnetBinaryLightingPV |
| Power | REAL |
| Polarity | BACnetPolarity |
| Elapsed_Active_Time | Unsigned32 |
| Time_Of_Active_Time_Reset | BACnetDateTime |
| Strike_Count | Unsigned |
| Time_Of_Strike_Count_Reset | BACnetDateTime |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Network Port Object Type

| Property Identifier | Property Datatype |
|--------------------------------|--------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Network_Type | BACnetNetworkType |
| Protocol_Level | BACnetProtocolLevel |
| Reference_Port | Unsigned |
| Network_Number | Unsigned16 |
| Network_Number_Quality | BACnetNetworkNumberQuality |
| Changes_Pending | BOOLEAN |
| Command | BACnetNetworkPortCommand |
| MAC_Address | OCTET STRING |
| APDU_Length | Unsigned |
| Link_Speed | REAL |
| Link_Speeds | BACnetARRAY[N] of REAL |
| Link_Speed_Autonegotiate | BOOLEAN |
| Network_Interface_Name | CharacterString |
| BACnet_IP_Mode | BACnetIPMode |
| IP_Address | OCTET STRING |
| BACnet_IP_UDP_Port | Unsigned16 |
| IP_Subnet_Mask | OCTET STRING |
| IP_Default_Gateway | OCTET STRING |
| BACnet_IP_Multicast_Address | OCTET STRING |
| IP_DNS_Server | BACnetARRAY[N] of OCTET STRING |
| IP_DHCP_Enable | BOOLEAN |
| IP_DHCP_Lease_Time | Unsigned |
| IP_DHCP_Lease_Time_Remaining | Unsigned |
| IP_DHCP_Server | OCTET STRING |
| BACnet_IP_NAT_Traversal | BOOLEAN |
| BBMD_Accept_FD_Registrations | BOOLEAN |
| FD_Subscription_Lifetime | Unsigned16 |
| BACnet_IPv6_Mode | BACnetIPMode |
| IPv6_Address | OCTET STRING |
| IPv6_Prefix_Length | Unsigned8 |
| BACnet_IPv6_UDP_Port | Unsigned16 |
| IPv6_Default_Gateway | OCTET STRING |
| BACnet_IPv6_Multicast_Address | OCTET STRING |
| IPv6_DNS_Server | BACnetARRAY[N] of OCTET STRING |
| IPv6_Auto_Addresssing_Enable | BOOLEAN |
| IPv6_DHCP_Lease_Time | Unsigned |
| IPv6_DHCP_Lease_Time_Remaining | Unsigned |
| IPv6_DHCP_Server | OCTET STRING |
| IPv6_Zone_Index | CharacterString |
| Max_Master | Unsigned8(1..127) |
| Max_Info_Frames | Unsigned8 |
| Slave_Proxy_Enable | BOOLEAN |
| Auto_Slave_Discovery | BOOLEAN |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |

| | |
|--------------------------------|-----------------------------------|
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Timer Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Present_Value | Unsigned |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Timer_State | BACnetTimerState |
| Timer_Running | BOOLEAN |
| Update_Time | BACnetDateTime |
| Last_State_Change | BACnetTimerTransition |
| Expiration_Time | BACnetDateTime |
| Initial_Timeout | Unsigned |
| Default_Timeout | Unsigned |
| Min_Pres_Value | Unsigned |
| Max_Pres_Value | Unsigned |
| Resolution | Unsigned |
| Priority_For_Writing | Unsigned(1..16) |
| Time_Delay | Unsigned |
| Time_Delay_Normal | Unsigned |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Elevator Group Object Type

| Property Identifier | Property Datatype |
|---------------------|--|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Machine_Room_ID | BACnetObjectIdentifier |
| Group_ID | Unsigned8 |
| Group_Members | BACnetARRAY[N] of BACnetObjectIdentifier |
| Group_Mode | BACnetLiftGroupMode |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Lift Object Type

| Property Identifier | Property Datatype |
|--------------------------------|-----------------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Elevator_Group | BACnetObjectIdentifier |
| Group_ID | Unsigned8 |
| Installation_ID | Unsigned8 |
| Floor_Text | BACnetARRAY[N] of CharacterString |
| Car_Door_Text | BACnetARRAY[N] of CharacterString |
| Making_Car_Call | BACnetARRAY[N] of Unsigned8 |
| Car_Position | Unsigned8 |
| Car_Moving_Direction | BACnetLiftCarDirection |
| Car_Assigned_Direction | BACnetLiftCarDirection |
| Car_Door_Zone | BOOLEAN |
| Car_Mode | BACnetLiftCarMode |
| Car_Load | REAL |
| Car_Load_Units | BACnetEngineeringUnits |
| Next_Stopping_Floor | Unsigned8 |
| Passenger_Alarm | BOOLEAN |
| Time_Delay | Unsigned |
| Time_Delay_Normal | Unsigned |
| Energy_Meter | REAL |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Car_Drive_Status | BACnetLiftCarDriveStatus |
| Higher_Deck | BACnetObjectIdentifier |
| Lower_Deck | BACnetObjectIdentifier |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_State | BACnetEventState |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Escalator Object Type

| Property Identifier | Property Datatype |
|---------------------|------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Description | CharacterString |
| Status_Flags | BACnetStatusFlags |
| Elevator_Group | BACnetObjectIdentifier |
| Group_ID | Unsigned8 |
| Installation_ID | Unsigned8 |
| Power_Mode | BOOLEAN |

| | |
|--------------------------------|-----------------------------------|
| Operation_Direction | BACnetEscalatorOperationDirection |
| Escalator_Mode | BACnetEscalatorMode |
| Energy_Meter | REAL |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Passenger_Alarm | BOOLEAN |
| Time_Delay | Unsigned |
| Time_Delay_Normal | Unsigned |
| Event_State | BACnetEventState |
| Car_Drive_Status | BACnetLiftCarDriveStatus |
| Higher_Deck | BACnetObjectIdentifier |
| Lower_Deck | BACnetObjectIdentifier |
| Event_Detection_Enable | BOOLEAN |
| Notification_Class | Unsigned |
| Event_State | BACnetEventState |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Algorithm_Inhibit | BOOLEAN |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |

Accumulator Object Type

| Property Identifier | Property Datatype |
|---------------------------|---------------------------|
| Object_Identifier | BACnetObjectIdentifier |
| Object_Name | CharacterString |
| Object_Type | BACnetObjectType |
| Present_Value | Unsigned |
| Description | CharacterString |
| Device_Type | |
| Status_Flags | BACnetStatusFlags |
| Event_State | BACnetEventState |
| Reliability | BACnetReliability |
| Out_Of_Service | BOOLEAN |
| Scale | BACnetScale |
| Units | BACnetEngineeringUnits |
| Prescale | BACnetPrescale |
| Max_Pres_Value | Unsigned |
| Value_Change_Time | BACnetDateTime |
| Value_Before_Change | Unsigned |
| Value_Set | Unsigned |
| Logging_Object | BACnetObjectIdentifier |
| Pulse_Rate | Unsigned |
| High_Limit | Unsigned |
| Low_Limit | Unsigned |
| Limit_Monitoring_Interval | Unsigned |
| Notification_Class | Unsigned |
| Time_Delay | Unsigned |
| Limit_Enable | BACnetLimitEnable |
| Event_Enable | BACnetEventTransitionBits |
| Acked_Transitions | BACnetEventTransitionBits |
| Notify_Type | BACnetNotifyType |
| Event_Detection_Enable | BOOLEAN |

| | |
|--------------------------------|-----------------------------------|
| Event_Message_Texts | BACnetARRAY[3] of CharacterString |
| Event_Message_Texts_Config | BACnetARRAY[3] of CharacterString |
| Event_Algorithm_Inhibit | BOOLEAN |
| Time_Delay_Normal | Unsigned |
| Reliability_Evaluation_Inhibit | BOOLEAN |
| Fault_High_Limit | Unsigned |
| Fault_Low_Limit | Unsigned |
| Profile_Location | CharacterString |
| Profile_Name | CharacterString |