



BACnet Protocol Implementation Conformance Statement

Products

Product	Model Number	Protocol Revision	Software Version	Firmware Version
SMART-Space Controller	SSC, SSCE, SSCP (all options)	Revision 9	8.02	8.02

Vendor Information

Reliable Controls Corporation 120 Hallowell Road Victoria, B.C. Canada V9A 7K2 www.reliablecontrols.com

Product Description

The Reliable Controls® SMART-Space Controller™ (SSC) is a fully programmable BACnet controller with multi-sensor capability and ten-point, on screen direct control. The SSC is designed for small point-count, standalone or distributed network applications supporting up to 200 SSCs per network. Models include up to 4 outputs and 4 inputs. Options include any combination of occupancy sensor, humidity sensor, or real-time clock. The standard SSC model has 3 inputs and 2 outputs jumper selectable to be either universal or TRIAC. The package model (SSCP) and enhanced model (SSCE) provide an additional universal input and additional TRIAC outputs.
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BACnet Standardized Device Profile

Product	Device Profile	Tested
SSC, SSCE, SSCP (all options)	BACnet General (B-GEN)	✓

Supported BIBBs

Supported BIBBs	BIBB Name
DS-RP-B	Data Sharing-ReadProperty-B
DS-RPM-B	Data Sharing-ReadPropertyMultiple-B
DS-WP-B	Data Sharing-WriteProperty-B
DS-WPM-B	Data Sharing-WritePropertyMultiple-B
DS-COVU-A	Data Sharing-COV-Unsolicited-A
SCHED-I-B	Scheduling-Internal-B
T-VMT-I-B	Trending-Viewing and Modifying Trends Internal-B
T-VMMV-I-B	Trending-Viewing and Modifying Multiple Values Internal-B
DM-DCC-B	Device Management-Device Communication Control-B
DM-PT-B	Device Management-Private Transfer-B
DM-TS-B	Device Management-Time Synchronization-B
DM-UTC-B	Device Management-UTCTimeSynchronization-B
DM-RD-B	Device Management-Reinitialize Device-B
DM-BR-B	Device Management-Backup and Restore-B

Segmentation Capability

Segmentation Type	Supported	Window Size (MS/TP product limited to 1)
Able to transmit segmented messages	No	0
Able to receive segmented messages	No	0

Standard Object Types Supported

Object Type	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
Analog Input	No	Yes		Object_Name, Present_Value, Out_Of_Service, Units
Analog Output	No	Yes		Object_Name, Present_Value, Out_Of_Service, Units
Analog Value	No	Yes		Object_Name, Present_Value, Out_Of_Service, Units
Binary Input	No	Yes	Inactive_Text, Active_Text, Change_Of_State_Time, Change_Of_State_Count, Time_Of_State_Count_Reset, Elapsed_Active_Time, Time_Of_Active_Time_Reset	Object_Name, Present_Value, Out_Of_Service, Change_Of_State_Count, Elapsed_Active_Time
Binary Output	No	Yes	Inactive_Text, Active_Text, Change_Of_State_Time, Change_Of_State_Count, Time_Of_State_Count_Reset, Elapsed_Active_Time, Time_Of_Active_Time_Reset	Object_Name, Present_Value, Out_Of_Service, Change_Of_State_Count, Elapsed_Active_Time
Binary Value	No	Yes	Inactive_Text, Active_Text, Change_Of_State_Time, Change_Of_State_Count, Time_Of_State_Count_Reset, Elapsed_Active_Time, Time_Of_Active_Time_Reset	Object_Name, Present_Value, Out_Of_Service, Change_Of_State_Count, Elapsed_Active_Time
File	No	No	Record_Count	Archive, Record_Count
Loop	No	Yes	Proportional_Constant, Proportional_Constant_Units, Integral_Constant, Integral_Constant_Units, Derivative_Constant, Derivative_Constant_Units, Bias	Object_Name, Present_Value, Out_Of_Service, Manipulated_Variable_Reference, Controlled_Variable_Reference, Setpoint_Reference, Proportional_Constant, Integral_Constant, Derivative_Constant, Bias, Priority_For_Writing
Multi-State Value	No	Yes	State_Text	Object_Name, Present_Value, Out_Of_Service, Change_Of_State_Count, Elapsed_Active_Time
Program	No	Yes		Object_Name, Out_Of_Service, Program_Change
Schedule	No	Yes	Weekly_Schedule, Exception_Schedule	Object_Name, Present_Value, Out_Of_Service, Effective_Period, Schedule_Default, List_Of_Object_Property_References, Exception_Schedule, Weekly_Schedule
Trend Log	No	No	Log_Device_Object_Property, Log_Interval	Record_Count, Enable, Log_Interval
Trend Log Multiple	No	Yes	Trigger	Object_Name, Trigger, Log_Device_Object_Property, Record_Count, Log_Interval, Stop_When_Full, Enable

Device	No	No	Configuration_Files, Last_Restore_Time, Backup_Failure_Timeout, Profile_Name, Local_time, Local_Date, Daylight_Savings_Status, UTC_Offset	Object_Name, UTC_Offset, Backup_Failure_Timeout, Local_Date, Local_Time
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Data Link Layer Options

Data Link	Options
MS/TP-Net Slave	9600, 19200, 38400, 76800

Device Address Binding

Static Binding Supported
No

Character Sets

Character Sets supported
UTF-8