



**Date:** March 14, 2011  
**Vendor Name:** Delta Controls Inc.  
**Product Name:** ORCAweb  
**Product Model Number:** DWS-340  
**Product Version:** 3.40  
**BACnet Protocol Revision:** 6

**Product Description:**

ORCAweb is an innovative, content rich web server application that allows facility managers, service personnel, and building tenants access to the building automation system with a simple web browser application.

The level of access to the building automation system can be customized for a specific user. Facility managers and service personnel can view system graphics and configuration objects, while tenants can view specific data via the Tenant Portal or Virtual Stat™.

**BACnet Standardized Device Profile (Annex L):**

- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Life-safety Workstation (B-LSWS)
- BACnet Operator Workstation (B-OWS)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

Data Sharing-WritePropertyMultiple-A (DS-WPM-A)	<input checked="" type="checkbox"/>
Data Sharing-WritePropertyMultiple-B (DS-WPM-B)	<input checked="" type="checkbox"/>
Data Sharing-COV-A (DS-COV-A)	<input checked="" type="checkbox"/>
Data Sharing-COV-B (DS-COV-B)	<input checked="" type="checkbox"/>
Data Sharing-COVP-A (DS-COVP-A)	<input type="checkbox"/>
Data Sharing-COVP-B (DS-COVP-B)	<input type="checkbox"/>
Data Sharing-COV-Unsolicited-A (DS-COVU-A)	<input checked="" type="checkbox"/>
Data Sharing-COV-Unsolicited-B (DS-COVU-B)	<input checked="" type="checkbox"/>
Data Sharing-View-A (DS-V-A)	<input checked="" type="checkbox"/>
Data Sharing-Advanced View-A (DS-AV-A)	<input checked="" type="checkbox"/>
Data Sharing-Modify-A (DS-M-A)	<input checked="" type="checkbox"/>
Data Sharing-Advanced Modify-A (DS-AM-A)	<input checked="" type="checkbox"/>
<b>Scheduling</b>	
Scheduling-A (SCHED-A)	<input checked="" type="checkbox"/>
Scheduling-Internal-B (SCHED-I-B)	<input checked="" type="checkbox"/>
Scheduling-External-A (SCHED-E-B)	<input checked="" type="checkbox"/>
Scheduling-View Modify-A (SCH-VM-A)	<input checked="" type="checkbox"/>
Scheduling-Advanced View Modify-A (SCH-AVM-A)	<input type="checkbox"/>
Scheduling-Weekly Schedule-A (SCH-WS-A)	<input type="checkbox"/>
Scheduling-Weekly Schedule Internal-B (SCH-WS-I-B)	<input type="checkbox"/>
Scheduling-Readable-B (SCH-R-B)	<input type="checkbox"/>
<b>Trending</b>	
Trending-View - A (T-V-A)	<input checked="" type="checkbox"/>
Trending-Advanced View and Modify – A (T-AVM-A)	<input type="checkbox"/>
Trending-Viewing and Modifying Trends-A (T-VMT-A)	<input checked="" type="checkbox"/>
Trending-Viewing and Modifying Trends-Internal-B (T-VMT-I-B)	<input checked="" type="checkbox"/>
Trending-Viewing and Modifying Trends-External-B (T-VMT-E-B)	<input checked="" type="checkbox"/>
Trending-Automated Trend Retrieval-A (T-ATR-A)	<input checked="" type="checkbox"/>
Trending-Automated Trend Retrieval-B (T-ATR-B)	<input checked="" type="checkbox"/>
Trending-Archiving-A (T-A-A)	<input checked="" type="checkbox"/>
<b>Network Management</b>	
Network Management-Connection Establishment-A (NM-CE-A)	<input type="checkbox"/>
Network Management-Connection Establishment-B (NM-CE-B)	<input type="checkbox"/>
Network Management-Router Configuration-A (NM-RC-A)	<input type="checkbox"/>
Network Management-Router Configuration-B (NM-RC-B)	<input type="checkbox"/>
<b>Alarm and Event Management</b>	
Alarm and Event-Notification-A (AE-N-A)	<input checked="" type="checkbox"/>
Alarm and Event-Notification Internal-B (AE-N-I-B)	<input checked="" type="checkbox"/>
Alarm and Event-Notification External-B (AE-N-E-B)	<input checked="" type="checkbox"/>
Alarm and Event-ACK-A (AE-ACK-A)	<input checked="" type="checkbox"/>
Alarm and Event-ACK-B (AE-ACK-B)	<input checked="" type="checkbox"/>
Alarm and Event-Alarm Summary-A (AE-ASUM-A)	<input checked="" type="checkbox"/>

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Device Management-Dynamic Device Binding-A (DM-DDB-A)	<input checked="" type="checkbox"/>
Device Management-Dynamic Device Binding-B (DM-DDB-B)	<input checked="" type="checkbox"/>
Device Management-Dynamic Object Binding-A (DM-DOB-A)	<input type="checkbox"/>
Device Management-Dynamic Object Binding-B (DM-DOB-B)	<input checked="" type="checkbox"/>
Device Management-DeviceCommunicationControl-A (DM-DCC-A)	<input type="checkbox"/>
Device Management-DeviceCommunicationControl-B (DM-DCC-B)	<input checked="" type="checkbox"/>
Device Management-Private Transfer-A (DM-PT-A)	<input checked="" type="checkbox"/>
Device Management-Private Transfer-B (DM-PT-B)	<input checked="" type="checkbox"/>
Device Management-Text Message-A (DM-TM-A)	<input type="checkbox"/>
Device Management-Text Message-B (DM-TM-B)	<input checked="" type="checkbox"/>
Device Management-TimeSynchronization-A (DM-TS-A)	<input checked="" type="checkbox"/>
Device Management-TimeSynchronization-B (DM-TS-B)	<input type="checkbox"/>
Device Management-Automatic Time Synchronization-A (DM-ATS-A)	<input checked="" type="checkbox"/>
Device Management-Manual Time Synchronization-A (DM-MTS-A)	<input checked="" type="checkbox"/>
Device Management-UTCTimeSynchronization-A (DM-UTC-A)	<input checked="" type="checkbox"/>
Device Management-UTCTimeSynchronization-B (DM-UTC-B)	<input type="checkbox"/>
Device Management-ReinitializeDevice-A (DM-RD-A)	<input type="checkbox"/>
Device Management-ReinitializeDevice-B (DM-RD-B)	<input type="checkbox"/>
Device Management-Backup and Restore-A (DM-BR-A)	<input type="checkbox"/>
Device Management-Backup and Restore-B (DM-BR-B)	<input type="checkbox"/>
Device Management-List Manipulation-A (DM-LM-A)	<input type="checkbox"/>
Device Management-List Manipulation-B (DM-LM-B)	<input checked="" type="checkbox"/>
Device Management-Object Creation and Deletion-A (DM-OCD-A)	<input type="checkbox"/>
Device Management-Object Creation and Deletion-B (DM-OCD-B)	<input checked="" type="checkbox"/>
Device Management-Virtual Terminal-A (DM-VT-A)	<input type="checkbox"/>
Device Management-Virtual Terminal-B (DM-VT-B)	<input type="checkbox"/>
Device Management-Automatic Network Mapping-A (DM-ANM-A)	<input checked="" type="checkbox"/>
Device Management-Automatic Device Mapping-A (DM-ADM-A)	<input checked="" type="checkbox"/>

### Segmentation Capability:

Segmented Requests Supported	<input checked="" type="checkbox"/>	Window Size:	2
Segmented Responses Supported	<input checked="" type="checkbox"/>	Window Size:	2

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			Increment		
Analog Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Device Type, Reliability, Min Pres Value, Max Pres Value, Resolution, COV Increment	Object Name, Description, Present Value, Reliability, COV Increment, Relinquish Default, Out of Service
Analog Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Reliability, COV Increment	Object Name, Description, Present Value, Units, Reliability, COV Increment, Out of Service
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Binary Input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Device Type, Reliability, Active Text, Inactive Text, COS Time, COS Count, COS Time, Reset	Object Name, Description, Present Value, Reliability, Polarity, Change of State Count, Out of Service
Binary Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Device Type, Reliability, Active Text, Inactive Text, COS Time, COS Count, COS Time, Reset, Min On Time, Min Off Time	Object Name, Description, Present Value, Reliability, Polarity, Change of State Count, Relinquish Default, Min On Time, Min Off Time, Out of Service
Binary Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Reliability, Active Text, Inactive Text	Object Name, Description, Present Value, Out of Service, Reliability
Calendar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description	Object Name, Description, Present Value, Date List
Command	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Device	YES	N/A	N/A	Description, Location, APDU Seg Timeout, Time Synch Recipients, Max Segments Accepted, Max Master, Max Info Frames, Local Time, Local Date, UTC Offset, DST Status, Configuration Files, Last Restore Time, Backup Failure Timeout, Active COV Subscriptions	Object Name, Description, Location, Time Synch Recipients, UTC Offset, Backup Failure Timeout
Event Enrollment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Notification Class	Object Name, Description, Event Type, Event Parameters, Object Property Reference, Event Enable,

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Loop	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Reliability, Update Interval, Proportional Constant, Proportional Units, Integral Constant, Integral Units, Derivative Constant, Derivative Units, Bias, Maximum Output, Minimum Output, COV Increment	Object Name, Description, Present Value, Reliability, Out of Service, Action, Manipulated Var Ref, Controlled Variable Ref, , Controlled Var Units, Setpoint, Setpoint Ref, Proportional Constant, Integral Constant, Derivative Constant, Bias, Priority For Writing, COV Increment
Multi-state Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Multi-state Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Multi-state Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Reliability, State Text	Object Name, Description, Present Value, Reliability, Out Of Service
Notification Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description	Object Name, Description, Priority, Ack Required, Recipient List
Program	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Reliability, Reason for Halt, Description of Hal	Object Name, Description, Present Value, Reliability, Program Change,
Pulse Converter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Schedule Exceptions	Object Name, Description, Present Value, Effective Period, Weekly Schedule, Exception Schedule, List of Object Property References, Priority for Writing
Structured View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Trend Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Description, Start Time, Stop Time, Log Device Object Prop, Log Interval, COV Resubscription Interval, Notification Threshold, Records Since Notification, Notification Class, Event Enable, Acked Transitions, Notify Type, Event Time Stamps	Object Name, Description, Log Enable, Start Time, Stop Time, Log Device Object Prop, Log Interval, COV_Resubscription Interval, Stop When Full, Buffer Size, Record Count, Notification Threshold, Notification Class, Event Enable,
Proprietary	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

## Device Address Binding:

Is static device binding supported?  Yes  No  
(Necessary for two-way communication with MS/TP slaves and certain other devices.)

## Networking Options:

Router   
Annex H, BACnet Tunnelling   
BACnet/IP Broadcast Management Device (BBMD)   
Does the BBMD support registrations by Foreign Devices?

## Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

ANSI X3.4  IBM/Microsoft DBCS  JIS C 6226  
 ISO 10646 (ICS-4)  ISO 10646 (UCS2)  ISO 8859-1

**If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:**

Not applicable.