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BACnet Testing Laboratories Product Listing

BACnet functionality in each Listed product has been successfully tested at a Recognized BACnet Testing Organization utilizing the industry standard BTL test suite and test policies that were current at the time it was tested. For Listings with multiple products, some products may have less functionality than is indicated by the Listing document. The PICS document provides information on the specific functionality of each product. Note that PICS documents on the BTL Listings site are provided by the manufacturer and are not independently verified by BTL.

Listing Information (BTL-31019)

Vendor		Listing Status
Phoenix Contact GmbH und Co. KG Flachsmarktstr. 8, 32825 Blomberg Germany		Listed Product
Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of January 2022	Revision 15	March 2023

Product Name	Model Numbers	Firmware version
ILC 2050 BI	Article No. 2403160	4.10.4.34
ILC 2050 BI-L	Article No. 2404671	4.10.4.34

Device Profiles

Profile	Model Numbers
BACnet Building Controller (B-BC)	All models

BIBBs Supported

Data Sharing	ReadProperty-A	DS-RP-A
	ReadProperty-B	DS-RP-B
	ReadPropertyMultiple-A	DS-RPM-A
	ReadPropertyMultiple-B	DS-RPM-B
	WriteProperty-A	DS-WP-A
	WriteProperty-B	DS-WP-B
	WritePropertyMultiple-A	DS-WPM-A
	WritePropertyMultiple-B	DS-WPM-B
	Change Of Value-A	DS-COV-A
	Change Of Value-B	DS-COV-B
	Change Of Value Property-B	DS-COVP-B
	Change Of Value Unsubscribed-B	DS-COVU-B
	View-A	DS-V-A
	Modify-A	DS-M-A

Alarm and Event Notification	Notification-A	AE-N-A
	Notification Internal-B	AE-N-I-B
	Notification External-B	AE-N-E-B
	Acknowledge-A	AE-ACK-A
	Acknowledge-B	AE-ACK-B
	Alarm Summary-B	AE-ASUM-B
	Enrollment Summary-B	AE-ESUM-B
	Information-B	AE-INFO-B
	View Notifications-A	AE-VN-A
	View and Modify-A	AE-VM-A
	Configurable Recipient Lists-B	AE-CRL-B

Scheduling	Internal-B	SCHED-I-B
	External-B	SCHED-E-B
	View and Modify-A	SCHED-VM-A

Trending	Viewing and Modifying Trends-A	T-VMT-A
	Viewing and Modifying Trends Internal-B	T-VMT-I-B
	Viewing and Modifying Trends External-B	T-VMT-E-B
	Automated Trend Retrieval-A	T-ATR-A
	Automated Trend Retrieval-B	T-ATR-B
	Viewing and Modifying Multiple Values-A	T-VMMV-A
	View-A	T-V-A

Device Management	Dynamic Device Binding-A	DM-DDB-A
	Dynamic Device Binding-B	DM-DDB-B
	Dynamic Object Binding-A	DM-DOB-A
	Dynamic Object Binding-B	DM-DOB-B
	DeviceCommunicationControl-B	DM-DCC-B
	TimeSynchronization-A	DM-TS-A
	TimeSynchronization-B	DM-TS-B
	UTCTimeSynchronization-A	DM-UTC-A
	UTCTimeSynchronization-B	DM-UTC-B
	ReinitializeDevice-B	DM-RD-B
	Backup and Restore-B	DM-BR-B
	Restart-A	DM-R-A
	Restart-B	DM-R-B
	List Manipulation-A	DM-LM-A
	List Manipulation-B	DM-LM-B
	Object Creation and Deletion-B	DM-OC-D-B
	Automatic Network Mapping-A	DM-ANM-A
	Automatic Device Mapping-A	DM-ADM-A
	Automatic Time Synchronization-A	DM-ATS-A
	Manual Time Synchronization-A	DM-MTS-A
	Router Configuration-B	NM-RC-B
	Embedded Objects-B	GW-EO-B

Object Type Support

Analog Input	Analog Output	Analog Value
Binary Input	Binary Output	Binary Value
Calendar	Characterstring Value	Device
Event Enrollment	File	Integer Value
Large Analog Value	Loop	Multi-State Input
Multi-State Output	Multi-State Value	Notification Class
Positive Integer Value	Schedule	Structured View
Trend Log		

Data Link Layer Options

Media	Options
BACnet/IP (Annex J)	BBMD Register as Foreign Device BACnet/IP, 'DIX' Ethernet
MS/TP Master	9600, 19200, 38400, 57600, 76800, 115200
Ethernet	ISO 8802-3, 10BASET

Character Set Support

ISO 10646 (UTF-8)
ISO 10646 (UCS-2)