BACnet object list for Power Xpert Meter 4000/6000/8000

PXM468K

Contents

Eaton's Power Xpert Meters offer comprehensive world-class power and energy measurements and monitoring that reduce day-to-day operating cost. The Power Xpert Meter product line can be configured to communicate over IP (Annex J) with the option of registering as a foreign device for participation in wide-area BACnet inter-networks. Eaton's Power Xpert meters conform to the ASHRAE 135 Standard and are regularly tested in accordance with the ASHRAE 135-1 Testing Standard.

The following document is intended for building automation professionals (technicians, engineers, and end-users alike) that will integrate the Power Xpert Meter into their control system.   The table(s) provides commonly needed information for data residing in the device including BACnet Object identifiers, helpful descriptions, and native names that are observed by way of "discovery".

Note: The data across all three variants of the PXM 4000/6000/8000 are identical except where noted.

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Table 1. PXM 468K BACnet object list

Object name	BACnet object identifier	Description	Notes
Device object name	device:27005	Device object	
/mACVAB	analogInput:201	Volts A-B	
/mACVBC	analogInput:202	Volts B-C	
/mACVCA	analogInput:203	Volts C-A	
/mACVavgLL	analogInput:204	Volts line to line average	
/mACVAN	analogInput:205	Volts A-N	
/mACVBN	analogInput:206	Volts B-N	
/mACVCN	analogInput:207	Volts C-N	
/mACVavgLN	analogInput:208	Volts line to neutral average	
/mACVNgnd	analogInput:209	Volts neutral to ground	
/mACVAuxAB	analogInput:210	Auxiliary card volts A-B	Available when auxiliary card is purchased with meter.
/mACVAuxBC	analogInput:211	Auxiliary card volts B-C	Available when auxiliary card is purchased with meter.
/mACVAuxCA	analogInput:212	Auxiliary card volts C-A	Available when auxiliary card is purchased with meter.
/mACVAuxLLAvg	analogInput:213	Auxiliary card volts line to line average	Available when auxiliary card is purchased with meter.
/mACVAB5MinIntAvg	analogInput:260	Volts A-B - 5 minute interval average	
/mACVBC5MinIntAvg	analogInput:261	Volts B-C - 5 minute interval average	
/mACVCA5MinIntAvg	analogInput:262	Volts C-A - 5 minute interval average	
/mACVavgLL5MinIntAvg	analogInput:263	Volts line to line - 5 minute interval average	
/mACVAN5MinIntAvg	analogInput:264	Volts A-N - 5 minute interval average	
/mACVBN5MinIntAvg	analogInput:265	Volts B-N - 5 minute interval average	
/mACVCN5MinIntAvg	analogInput:266	Volts C-N - 5 minute interval average	
/mACVavgLN5MinIntAvg	analogInput:267	Volts line to neutral - 5 minute interval average	
/mACVNgnd5MinIntAvg	analogInput:268	Volts neutral ground - 5 minute interval average	
/mACVAB5MinIntMin	analogInput:273	Volts A-B - 5 minute interval minimum	
/mACVBC5MinIntMin	analogInput:274	Volts B-C - 5 minute interval minimum	
/mACVCA5MinIntMin	analogInput:275	Volts C-A - 5 minute interval minimum	
/mACVavgLL5MinIntMin	analogInput:276	Volts line to line - 5 minute interval minimum	
/mACVAN5MinIntMin	analogInput:277	Volts A-N - 5 minute interval minimum	
/mACVBN5MinIntMin	analogInput:278	Volts B-N - 5 minute interval minimum	
/mACVCN5MinIntMin	analogInput:279	Volts C-N - 5 minute interval minimum	
/mACVavgLN5MinIntMin	analogInput:280	Volts line to neutral - 5 minute interval minimum	
/mACVNgnd5MinIntMin	analogInput:281	Volts neutral ground - 5 minute interval minimum	
/mACVAB5MinIntMax	analogInput:286	Volts A-B - 5 minute interval maximim	
/mACVBC5MinIntMax	analogInput:287	Volts B-C - 5 minute interval maximum	
/mACVCA5MinIntMax	analogInput:288	Volts C-A - 5 minute interval maximum	
/mACVavgLL5MinIntMax	analogInput:289	Volts line to line - 5 minute interval maximum	
/mACVAN5MinIntMax	analogInput:290	Volts A-N - 5 minute interval maximum	
/mACVBN5MinIntMax	analogInput:291	Volts B-N - 5 minute interval maximum	
/mACVCN5MinIntMax	analogInput:292	Volts C-N - 5 minute interval maximum	
/mACVavgLN5MinIntMax	analogInput:293	Volts line to neutral - 5 minute interval maximum	
/mACVNgnd5MinIntMax	analogInput:294	Volts neutral ground - 5 minute interval maximum	
/mACMinVan	analogInput:370	Minimum volts A-N	
/mACMinVbn	analogInput:371	Minimum volts B-N	
/mACMinVcn	analogInput:372	Minimum volts C-N	
/mACMinVng	analogInput:373	Minimum volts neutral to ground	
/mACMinVln	analogInput:374	Minimum volts line to neutral	
/mACMinVab	analogInput:375	Minimum volts A-B	
/mACMinVbc	analogInput:376	Minimum volts B-C	
/mACMinVca	analogInput:377	Minimum volts C-A	
/mACMinVll	analogInput:378	Minimum volts line to line	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/mACMinimumVabAux	analogInput:379	Auxiliary card minimum volts A-B	Available when auxiliary card is purchased with meter.
/mACMinimumVbcAux	analogInput:380	Auxiliary card minimum VBC aux	Available when auxiliary card is purchased with meter.
/mACMinimumVcaAux	analogInput:381	Auxiliary card minimum VCA aux	Available when auxiliary card is purchased with meter.
/mACMinimumVllAux	analogInput:382	Auxiliary card minimum VII aux	Available when auxiliary card is purchased with meter.
/mACMaxVan	analogInput:390	Max volts A-N	
/mACMaxVbn	analogInput:391	Max volts B-N	
/mACMaxVcn	analogInput:392	Max volts C-N	
/mACMaxVng	analogInput:393	Max volts neutral to ground	
/mACMaxVln	analogInput:394	Max volts line to neutral	
/mACMaxVab	analogInput:395	Max volts A-B	
/mACMaxVbc	analogInput:396	Max volts B-C	
/mACMaxVca	analogInput:397	Max volts C-A	
/mACMaxVll	analogInput:398	Max volts line to line	
/mACMaximumVabAux	analogInput:399	Auxiliary card maximum value volts A-B	Available when auxiliary card is purchased with meter.
/mACMaximumVbcAux	analogInput:400	Auxiliary card maximum value volts B-C	Available when auxiliary card is purchased with meter.
/mACMaximumVcaAux	analogInput:401	Auxiliary card maximum value volts C-A	Available when auxiliary card is purchased with meter.
/mACMaximumVllAux	analogInput:402	Auxiliary card maximum value volts line to line average	Available when auxiliary card is purchased with meter.
/mACIA	analogInput:801	Current phase A	
/mACIB	analogInput:802	Current phase B	
/mACIC	analogInput:803	Current phase C	
/mACIgnd	analogInput:804	Ground current	
/mACIN	analogInput:805	Neutral current	
/mACIavg	analogInput:806	Current phase average	
/mACIavg5MinIntAvg	analogInput:870	Current phase average - 5 minute interval average	
/mACIA5MinIntAvg	analogInput:871	Current phase A - 5 minute interval average	
/mACIB5MinIntAvg	analogInput:872	Current phase B - 5 minute interval average	
/mACIC5MinIntAvg	analogInput:873	Current phase C - 5 minute interval average average	
/mACIgnd5MinIntAvg	analogInput:874	Ground current - 5 minute interval average	
/mACIN5MinIntAvg	analogInput:875	Neutral current - 5 minute interval average	
/mACIavg5MinIntMin	analogInput:876	Current phase average - 5 minute interval minimum	
/mACIA5MinIntMin	analogInput:877	Current phase A - 5 minute interval minimum	
/mACIB5MinIntMin	analogInput:878	Current phase B - 5 minute interval minimum	
/mACIC5MinIntMin	analogInput:879	Current phase C - 5 minute interval minimum	
/mACIgnd5MinIntMin	analogInput:880	Ground current - 5 minute interval minimum	
/mACIN5MinIntMin	analogInput:881	Neutral current - 5 minute interval minimum	
/mACIavg5MinIntMax	analogInput:882	Current phase avgerage- 5 minute interval maximum	
/mACIA5MinIntMax	analogInput:883	Current phase A - 5 minute interval maximum	
/mACIB5MinIntMax	analogInput:884	Current phase B - 5 minute interval maximum	
/mACIC5MinIntMax	analogInput:885	Current phase C - 5 minute interval maximum	
/mACIgnd5MinIntMax	analogInput:886	Ground current - 5 minute interval maximum	
/mACIN5MinIntMax	analogInput:887	Neutral current - 5 minute interval maximum	
/mACMinIa	analogInput:960	Current phase A minimum	
/mACMinIb	analogInput:961	Current phase B minimum	
/mACMinIc	analogInput:962	Current phase C minimum	
/mACMinIn	analogInput:963	Neutral current minimum	
/mACMinIg	analogInput:964	Ground current minimum	
/mACMaxIa	analogInput:970	Current phase A maximum	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/mACMaxIb	analogInput:971	Current phase B maximum	
/mACMaxIc	analogInput:972	Current phase C maximum	
/mACMaxIn	analogInput:973	Neutral current maximum	
/mACMaxIg	analogInput:974	Ground current maximum	
/mWA	analogInput:1400	Real power phase A	
/mWB	analogInput:1401	Real power phase B	
/mWC	analogInput:1402	Real power phase C	
/mWtotal	analogInput:1403	Real power	
/mWAMax	analogInput:1404	Maximum real power phase A	
/mWBMax	analogInput:1405	Maximum real power phase B	
/mWCMax	analogInput:1406	Maximum real power phase C	
/mWtotalMax	analogInput:1407	Maximum real power	
/mWA5MinIntAvg	analogInput:1420	Real power phase A - 5 minute interval average	
/mWB5MinIntAvg	analogInput:1421	Real power phase B - 5 minute interval average	
/mWC5MinIntAvg	analogInput:1422	Real power phase C - 5 minute interval average	
/mWtotal5MinIntAvg	analogInput:1423	Real power system total - 5 minute interval average	
/mWA5MinIntMin	analogInput:1424	Real power phase A - 5 minute interval minimum	
/mWB5MinIntMin	analogInput:1425	Real power phase B - 5 minute interval minimum	
/mWC5MinIntMin	analogInput:1426	Real power phase C - 5 minute interval minimum	
/mWtotal5MinIntMin	analogInput:1427	Real power system total - 5 minute interval minimum	
/mWA5MinIntMax	analogInput:1428	Real power phase A - 5 minute interval maximum	
/mWB5MinIntMax	analogInput:1429	Real power phase B - 5 minute interval maximum	
/mWC5MinIntMax	analogInput:1430	Real power phase C- 5 minute interval maximum	
/mWtotal5MinIntMax	analogInput:1431	Real power system total - 5 minute interval maximum	
/mVAA	analogInput:1450	Apparent power phase A	
/mVAB	analogInput:1451	Apparent power phase B	
/mVAC	analogInput:1452	Apparent power phase C	
/mVAtotal	analogInput:1453	Apparent power	
/mVAAMax	analogInput:1454	Max apparent power phase A	
/mVABMax	analogInput:1455	Max apparent power phase B	
/mVACMax	analogInput:1456	Max apparent power phase C	
/mVAMax	analogInput:1457	Max apparent power	
/mVAA5MinIntAvg	analogInput:1480	Apparent power phase A - 5 minute interval average	
/mVAB5MinIntAvg	analogInput:1481	Apparent power phase B - 5 minute interval average	
/mVAC5MinIntAvg	analogInput:1482	Apparent power phase C - 5 minute interval average	
/mVAtotal5MinIntAvg	analogInput:1483	Apparent power system total - 5 minute interval average	
/mVAA5MinIntMin	analogInput:1484	Apparent power phase A - 5 minute interval minimum	
/mVAB5MinIntMin	analogInput:1485	Apparent power phase B - 5 minute interval minimum	
/mVAC5MinIntMin	analogInput:1486	Apparent power phase C - 5 minute interval minimum	
/mVAtotal5MinIntMin	analogInput:1487	Apparent power system total - 5 minute interval minimum	
/mVAA5MinIntMax	analogInput:1488	Apparent power phase A - 5 minute interval maximum	
/mVAB5MinIntMax	analogInput:1489	Apparent power phase B - 5 minute interval maximum	
/mVAC5MinIntMax	analogInput:1490	Apparent power phase C - 5 minute interval maximum	
/mVAtotal5MinIntMax	analogInput:1491	Apparent power system total - 5 minute interval maximum	
/mVarA	analogInput:1510	Reactive power phase A	
/mVarB	analogInput:1511	Reactive power phase B	
/mVarC	analogInput:1512	Reactive power phase C	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/mVARtotal	analogInput:1513	Reactive power	
/mVarAMax	analogInput:1514	Max reactive power phase A	
/mVarBMax	analogInput:1515	Max reactive power phase B	
/mVarCMax	analogInput:1516	Max reactive power phase C	
/mVARtotalMax	analogInput:1517	Max reactive power	
/mVarA5MinIntAvg	analogInput:1520	Reactive power phase A - 5 minute interval average	
/mVarB5MinIntAvg	analogInput:1521	Reactive power phase B - 5 minute interval average	
/mVarC5MinIntAvg	analogInput:1522	Reactive power phase C - 5 minute interval average	
/mVARtotal5MinIntAvg	analogInput:1523	Reactive power system total - 5 minute interval average	
/mVarA5MinIntMin	analogInput:1524	Reactive power phase A - 5 minute interval minimum	
/mVarB5MinIntMin	analogInput:1525	Reactive power phase B - 5 minute interval minimum	
/mVarC5MinIntMin	analogInput:1526	Reactive power phase C - 5 minute interval minimum	
/mVARtotal5MinIntMin	analogInput:1527	Reactive power system total - 5 minute interval minimum	
/mVarA5MinIntMax	analogInput:1528	Reactive power phase A - 5 minute interval maximum	
/mVarB5MinIntMax	analogInput:1529	Reactive power phase B - 5 minute interval maximum	
/mVarC5MinIntMax	analogInput:1530	Reactive power phase C - 5 minute interval maximum	
/mVARtotal5MinIntMax	analogInput:1531	Reactive power system total - 5 minute interval maximum	
/mPFapparentA	analogInput:1606	Power factor apparent phase A	
/mPFapparentB	analogInput:1607	Power factor apparent phase B	
/mPFapparentC	analogInput:1608	Power factor apparent phase C	
/mPFdisplacementTotal	analogInput:1609	System power factor displacement	
/mPFapparentTotal	analogInput:1610	System power factor apparent	
/mPFapparentSysMin	analogInput:1614	Minimum system power factor apparent	
/mPFapparentSysMax	analogInput:1623	Maximum system power factor apparent	
/mPFdisplacementSysMin	analogInput:1633	Minimum system power factor displacement	
/mPFdisplacementSysMax	analogInput:1643	Maximum system power factor displacement	
/mPFdisplacementTotal5MinIntAvg	analogInput:1656	Power factor displacement total - 5 minute interval average	
/mPFapparentTotal5MinIntAvg	analogInput:1657	Power factor apparent total - 5 minute interval average	
/mPFdisplacementTotal5MinIntMin	analogInput:1664	Power factor displacement total - 5 minute interval minimum	
/mPFapparentTotal5MinIntMin	analogInput:1665	Power factor apparent total - 5 minute interval minimum	
/mPFdisplacementTotal5MinIntMax	analogInput:1672	Power factor displacement total - 5 minute interval maximum	
/mPFapparentTotal5MinIntMax	analogInput:1673	Power factor apparent total - 5 minute interval maximum	
/mForwardEnergy	analogInput:1900	Forward real energy	
/mReverseEnergy	analogInput:1901	Reverse real energy	
/mVAh	analogInput:1911	Apparent energy	
/mLeadingVARh	analogInput:1920	Leading reactive energy	
/mLaggingVARh	analogInput:1921	Lagging reactive energy	
/mDemandVAs	analogInput:1946	Demand VAs	
/mPeakDemandVAs	analogInput:1947	Peak demand VAs	
/mDemandForwardWatts	analogInput:1948	Demand forward watts	
/mPeakDemandForwardWatts	analogInput:1949	Peak demand forward watts	
/mDemandReverseWatts	analogInput:1950	Demand reverse watts	
/mPeakDemandReverseWatts	analogInput:1951	Peak demand reverse watts	
/mDemandLaggingVARs	analogInput:1952	Demand lagging VARs	
/mPeakDemandLaggingVARs	analogInput:1953	Peak demand lagging VARs	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/mDemandLeadingVARs	analogInput:1954	Demand leading VARs	
/mPeakDemandLeadingVARs	analogInput:1955	Peak demand leading VARs	
/mDemandSumWatts	analogInput:1960	Demand sum watts	
/mDemandSumVARs	analogInput:1962	Demand sum VARs	
/mLastResetFowardEnergy	analogInput:2015	Last reset forward energy	
/mLastResetReverseEnergy	analogInput:2021	Last reset reverse energy	
/mLastResetLaggingVARh	analogInput:2027	Last reset lagging varh	
/mLastResetLeadingVARh	analogInput:2033	Last reset leading varh	
/mLastResetVAh	analogInput:2039	Last reset Vah	
/mIntDemandForwardWatts	analogInput:2050	Interval demand forward watts	
/mIntDemandReverseWatts	analogInput:2051	Interval demand reverse watts	
/mIntDemandLaggingVARs	analogInput:2052	Interval demand lagging VARs	
/mIntDemandLeadingVARs	analogInput:2053	Interval demand leading VARs	
/mIntDemandVAs	analogInput:2054	Interval demand Vas	
/mDemandAmpsAvg	analogInput:2152	Demand current (3 phase average)	
/mPeakDemandAmpsAvg	analogInput:2153	Peak demand amps average	
/mLastResetPeakDemandForwardWatts	analogInput:2165	Last reset peak demand forward watts	
/mLastResetPeakDemandReverseWatts	analogInput:2171	Last reset peak demand reverse watts	
/mLastResetPeakDemandLaggingVARs	analogInput:2177	Last reset peak demand lagging VARs	
/mLastResetPeakDemandLeadingVARs	analogInput:2183	Last reset peak demand leading VARs	
/mLastResetPeakDemandVAs	analogInput:2189	Last reset peak demand Vas	
/mLastResetPeakDemandAmpsAvg	analogInput:2195	Last reset peak demand amps averrage	
/mPeakDemandSumWatts	analogInput:2250	Peak demand sum watts	
/mPeakDemandSumVARs	analogInput:2252	Peak demand sum vars	
/mSumEnergy	analogInput:2254	Sum real energy	
/mSumVARh	analogInput:2255	Sum reactive energy	
/mIntDemandSumWatts	analogInput:2256	Interval demand sum watts	
/mIntDemandSumVARs	analogInput:2257	Interval demand sum VARs	
/mIaHarmonic	analogInput:2420	Current phase A harmonic	
/mIbHarmonic	analogInput:2421	Current phase B harmonic	
/mIcHarmonic	analogInput:2422	Current phase C harmonic	
/mVabTHD	analogInput:2460	Volts A-B total harmonic distortion	
/mVbcTHD	analogInput:2461	Volts B-C total harmonic distortion	
/mVcaTHD	analogInput:2462	Volts C-A total harmonic distortion	
/mVanTHD	analogInput:2463	Volts A-N total harmonic distortion	
/mVbnTHD	analogInput:2464	Volts B-N total harmonic distortion	
/mVcnTHD	analogInput:2465	Volts C-N total harmonic distortion	
/mPQTDDI10MinValue	analogInput:2729	Pq TDD current 10 minutes value	
/mPQTHDV10MinValue	analogInput:2733	Pq THD voltage 10 minutes value	
/mPQ10Min	analogInput:2744	Pq index total 10 minutes level	
/mPQ1Day	analogInput:2745	Pq index total 1 day level	
/mVabTHD5MinIntAvg	analogInput:2870	Volts A-B THD - 5 minute interval average	
/mVbcTHD5MinIntAvg	analogInput:2871	Volts B-C THD - 5 minute interval average	
/mVcaTHD5MinIntAvg	analogInput:2872	Volts C-A THD - 5 minute interval average	
/mVanTHD5MinIntAvg	analogInput:2873	Volts A-N THD - 5 minute interval average	
/mVbnTHD5MinIntAvg	analogInput:2874	Volts B-N THD - 5 minute interval average	
/mVcnTHD5MinIntAvg	analogInput:2875	Volts C-N THD - 5 minute interval average	
/mVabTHD5MinIntMin	analogInput:2879	Volts A-B THD - 5 minute interval minimum	
/mVbcTHD5MinIntMin	analogInput:2880	Volts B-C THD - 5 minute interval minimum	
/mVcaTHD5MinIntMin	analogInput:2881	Volts C-A THD - 5 minute interval minimum	
/mVanTHD5MinIntMin	analogInput:2882	Volts A-N THD - 5 minute interval minimum	
/mVbnTHD5MinIntMin	analogInput:2883	Volts B-N THD - 5 minute interval minimum	
/mVcnTHD5MinIntMin	analogInput:2884	Volts C-N THD - 5 minute interval minimum	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/mVabTHD5MinIntMax	analogInput:2888	Volts A-B THD - 5 minute interval maximum	
/mVbcTHD5MinIntMax	analogInput:2889	Volts B-C THD - 5 minute interval maximum	
/mVcaTHD5MinIntMax	analogInput:2890	Volts C-A THD - 5 minute interval maximum	
/mVanTHD5MinIntMax	analogInput:2891	Volts A-N THD - 5 minute interval maximum	
/mVbnTHD5MinIntMax	analogInput:2892	Volts B-N THD - 5 minute interval maximum	
/mVcnTHD5MinIntMax	analogInput:2893	Volts C-N THD - 5 minute interval maximum	
/mIaTHD5MinIntAvg	analogInput:2910	Current phase A THD - 5 minute interval average	
/mIbTHD5MinIntAvg	analogInput:2911	Current phase B THD - 5 minute interval average	
/mIcTHD5MinIntAvg	analogInput:2912	Current phase C THD - 5 minute interval average	
/mIaTHD5MinIntMin	analogInput:2913	Current phase A THD - 5 minute interval minimum	
/mIbTHD5MinIntMin	analogInput:2914	Current phase B THD - 5 minute interval minimum	
/mIcTHD5MinIntMin	analogInput:2915	Current phase C THD - 5 minute interval minimum	
/mIaTHD5MinIntMax	analogInput:2916	Current phase A THD - 5 minute interval maximum	
/mIbTHD5MinIntMax	analogInput:2917	Current phase B THD - 5 minute interval maximum	
/mIcTHD5MinIntMax	analogInput:2918	Current phase C THD - 5 minute interval maximum	
/mMinIaTHD	analogInput:2930	Minimum THD current phase A	
/mMinIbTHD	analogInput:2931	Minimum THD current phase B	
/mMinIcTHD	analogInput:2932	Minimum THD current phase C	
/mMinVabTHD	analogInput:2934	Minimum THD volts A-B	
/mMinVbcTHD	analogInput:2935	Minimum THD volts B-C	
/mMinVcaTHD	analogInput:2936	Minimum THD volts C-A	
/mMinVanTHD	analogInput:2937	Minimum THD volts A-N	
/mMinVbnTHD	analogInput:2938	Minimum THD volts B-N	
/mMinVcnTHD	analogInput:2939	Minimum THD volts C-N	
/mMaxIaTHD	analogInput:2950	Max THD current phase A	
/mMaxIbTHD	analogInput:2951	Max THD current phase B	
/mMaxIcTHD	analogInput:2952	Max THD current phase C	
/mMaxVabTHD	analogInput:2954	Max THD volts A-B	
/mMaxVbcTHD	analogInput:2955	Max THD volts B-C	
/mMaxVcaTHD	analogInput:2956	Max THD volts C-A	
/mMaxVanTHD	analogInput:2957	Max THD volts A-N	
/mMaxVbnTHD	analogInput:2958	Max THD volts B-N	
/mMaxVcnTHD	analogInput:2959	Max THD volts C-N	
/mFreq	analogInput:3400	Frequency	
/mFreq5MinIntAvg	analogInput:3410	Frequency - 5 minute interval average	
/mFreq5MinIntMin	analogInput:3411	Frequency - 5 minute interval minimum	
/mFreq5MinIntMax	analogInput:3412	Frequency - 5 minute interval maximum	
/mMinFreq	analogInput:3420	Minimum frequency	
/mMaxFreq	analogInput:3421	Maximum frequency	
/mDI1RawState	binaryInput:221	DI 1 status	
/mDI2RawState	binaryInput:222	DI 2 status	
/mDI3RawState	binaryInput:223	DI 3 status	
/mDI4RawState	binaryInput:224	DI 4 status	
/mDI5RawState	binaryInput:225	DI 5 status	
/mDI6RawState	binaryInput:226	DI 6 status	
/mDI7RawState	binaryInput:227	DI 7 status	
/mDI8RawState	binaryInput:228	DI 8 status	
/iFieldReplaceableUnit	binaryValue:11	Field replaceable unit	
/sEntOperatingState	multiStateInput:301	"Entity operating state 1 = unknown 2 = disabled 3 = turned off 4 = enabled 5 = under test"	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/sEntReadinessState	multiStateInput:302	"Entity readiness state 1 = unknown 2 = turned off 3 = idle 4 = active 5 = busy 6 = unavailable"	
/sEntAlarmState	multiStateInput:303	"Entity alarm state 1 = none 2 = unused 3 = disarmed 4 = critical alarm 5 = cautionary alarm 6 = unacknowledged"	
/sEntStandbyState	multiStateInput:304	"Entity standby state 1 = unused 2 = in parallel 3 = hot standby 4 = offline 5 = in service"	
/sEntAdminState	multiStateValue:300	"Entity admin state 1 = unused 2 = disabled 3 = turned off 4 = enabled"	
/mDemandType	multiStateValue:500	"Demand type 1 = fixed 2 = sliding 3 = sync 4 = unused 5 = derived"	
/mTotalDemandInterval	multiStateValue:501	"Demand interval 1 = 5 minutes 2 = 10 minutes 3 = 15 minutes 4 = 30 minutes 5 = 45 minutes 6 = 60 minutes"	
/mDemandSubinterval	multiStateValue:502	"Demand subinterval 1 = 5 minutes 2 = 15 minutes 3 = 30 minutes 4 = 60 minutes"	
/iDisplayName	characterStringValue:13	Display name	
/iDeviceType	characterStringValue:14	Device type	
/iDeviceID	characterStringValue:16	Device ID	
/iDeviceGuid	characterStringValue:18	Device GUID	
/SerialNumber	characterStringValue:19	Serial number	
/HardwareVersion	characterStringValue:21	Hardware version	
/iMfgDate	characterStringValue:25	Manufacture date	
/iAssetID	characterStringValue:26	Asset identifier tag	
/iWhoToContact	characterStringValue:27	Who to contact	
/aEvent1	characterStringValue:1111	Event 1	
/aEvent2	characterStringValue:1112	Event 2	
/aEvent3	characterStringValue:1113	Event 3	
/aEvent4	characterStringValue:1114	Event 4	
/aEvent5	characterStringValue:1115	Event 5	
/aEvent6	characterStringValue:1116	Event 6	
/aEvent7	characterStringValue:1117	Event 7	
/aEvent8	characterStringValue:1118	Event 8	
/aEvent9	characterStringValue:1119	Event 9	
/aEvent10	characterStringValue:1120	Event 10	
/aEvent11	characterStringValue:1121	Event 11	
/aEvent12	characterStringValue:1122	Event 12	
/aEvent13	characterStringValue:1123	Event 13	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/aEvent14	characterStringValue:1124	Event 14	
/aEvent15	characterStringValue:1125	Event 15	
/aEvent16	characterStringValue:1126	Event 16	
/aEvent17	characterStringValue:1127	Event 17	
/aEvent18	characterStringValue:1128	Event 18	
/aEvent19	characterStringValue:1129	Event 19	
/aEvent20	characterStringValue:1130	Event 20	
/mLastMinMaxResetTime	dateTimeValue:110	Time of last minimum maximum reset	
/mACMinVanTime	dateTimeValue:370	Time of minimum volts A-N	
/mACMinVbnTime	dateTimeValue:371	Time of minimum volts B-N	
/mACMinVcnTime	dateTimeValue:372	Time of minimum volts C-N	
/mACMinVngTime	dateTimeValue:373	Time of minimum volts neutral to ground	
/mACMinVlnTime	dateTimeValue:374	Time of minimum volts line to neutral	
/mACMinVabTime	dateTimeValue:375	Time of minimum volts A-B	
/mACMinVbcTime	dateTimeValue:376	Time of minimum volts B-C	
/mACMinVcaTime	dateTimeValue:377	Time of minimum volts C-A	
/mACMinVllTime	dateTimeValue:378	Time of minimum volts line to line	
/mACMinimumVabAuxTime	dateTimeValue:379	Auxilary card minimum time volts A-B	Available when auxiliary card is purchased with meter.
/mACMinimumVbcAuxTime	dateTimeValue:380	Auxiliary card minimum time volts B-C	Available when auxiliary card is purchased with meter.
/mACMinimumVcaAuxTime	dateTimeValue:381	Auxiliary card minimum time volts C-A	Available when auxiliary card is purchased with meter.
/mACMinimumVllAuxTime	dateTimeValue:382	Auxiliary card minimum time volts line to average	Available when auxiliary card is purchased with meter.
/mACMaxVanTime	dateTimeValue:390	Time of max volts A-N	
/mACMaxVbnTime	dateTimeValue:391	Time of max volts B-N	
/mACMaxVcnTime	dateTimeValue:392	Time of max volts C-N	
/mACMaxVngTime	dateTimeValue:393	Time of maximum volts neutral to ground	
/mACMaxVlnTime	dateTimeValue:394	Time of maximum volts line to neutral	
/mACMaxVabTime	dateTimeValue:395	Time of maximum volts A-B	
/mACMaxVbcTime	dateTimeValue:396	Time of maximum volts B-C	
/mACMaxVcaTime	dateTimeValue:397	Time of maximum volts C-A	
/mACMaxVllTime	dateTimeValue:398	Volts line to line maximum time	
/mACMaximumVabAuxTime	dateTimeValue:399	Auxiliary card maximum time volts A-B	Available when auxiliary card is purchased with meter.
/mACMaximumVbcAuxTime	dateTimeValue:400	Auxiliary card maximum time volts B-C	Available when auxiliary card is purchased with meter.
/mACMaximumVcaAuxTime	dateTimeValue:401	Auxiliary card maximum time volts C-A	Available when auxiliary card is purchased with meter.
/mACMaximumVllAuxTime	dateTimeValue:402	Auxiliary card maximum time volts line to line average	Available when auxiliary card is purchased with meter.
/mACMinIaTime	dateTimeValue:960	Current phase A minimum time	
/mACMinIbTime	dateTimeValue:961	Current phase B minimum time	
/mACMinIcTime	dateTimeValue:962	Current phase C minimum time	
/mACMinInTime	dateTimeValue:963	Neutral current minimum time	
/mACMinIgTime	dateTimeValue:964	Ground current minimum time	
/mACMaxIaTime	dateTimeValue:970	Current phase A maximum time	
/mACMaxIbTime	dateTimeValue:971	Current phase B maximum time	
/mACMaxIcTime	dateTimeValue:972	Current phase C maximum time	
/mACMaxInTime	dateTimeValue:973	Neutral current maximum time	
/mACMaxIgTime	dateTimeValue:974	Ground current maximum time	
/mWAMaxTime	dateTimeValue:1404	Time of maximum real power phase A	
/mWBMaxTime	dateTimeValue:1405	Time of maximum real power phase B	
/mWCMaxTime	dateTimeValue:1406	Time of maximum real power phase C	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/mWtotalMaxTime	dateTimeValue:1407	Time of maximum real power	
/mVAAMaxTime	dateTimeValue:1454	Time of maximum apparent power phase A	
/mVABMaxTime	dateTimeValue:1455	Time of maximum apparent power phase B	
/mVACMaxTime	dateTimeValue:1456	Time of maximum apparent power phase C	
/mVAMaxTime	dateTimeValue:1457	Time of maximum apparent power	
/mVarAMaxTime	dateTimeValue:1514	Time of maximum reactive power phase A	
/mVarBMaxTime	dateTimeValue:1515	Time of maximum reactive power phase B	
/mVarCMaxTime	dateTimeValue:1516	Time of maximum reactive power phase C	
/mVARtotalMaxTime	dateTimeValue:1517	Time of maximum reactive power	
/mPFapparentSysMinTime	dateTimeValue:1614	Time of minimum system PF (App)	
/mPFapparentSysMaxTime	dateTimeValue:1623	Time of maximum system PF (App)	
/mPFdisplacementSysMinTime	dateTimeValue:1633	Time of minimum system PF (Disp)	
/mPFdisplacementSysMaxTime	dateTimeValue:1643	Time of maximum system PF (Disp)	
/mTimeDatePeakDemandVAs	dateTimeValue:1947	Peak demand VAs time	
/mTimeDatePeakDemandForwardWatts	dateTimeValue:1949	Peak demand forward watts time	
/mTimeDatePeakDemandReverseWatts	dateTimeValue:1951	Peak demand reverse watts time	
/mTimeDatePeakDemandLaggingVARs	dateTimeValue:1953	Peak demand lagging VARs time	
/mTimeDatePeakDemandLeadingVARs	dateTimeValue:1955	Peak demand leading VARs time	
/mDemandResetTime	dateTimeValue:2060	Demand reset time	
/mTimeDatePeakDemandAmpsAvg	dateTimeValue:2153	Peak demand amps average time	
/mTimeDateLastResetPeakDemandForwardWatts	dateTimeValue:2165	Last reset peak demand forward watts time	
/mTimeDateLastResetPeakDemandReverseWatts	dateTimeValue:2171	Last reset peak demand reverse watts time	
/mTimeDateLastResetPeakDemandLaggingVARs	dateTimeValue:2177	Last reset peak demand lagging VARs time	
/mTimeDateLastResetPeakDemandLeadingVARs	dateTimeValue:2183	Last reset peak demand leading VARs time	
/mTimeDateLastResetPeakDemandVAs	dateTimeValue:2189	Last reset peak demand VAs time	
/mTimeDateLastResetPeakDemandAmpsAvg	dateTimeValue:2195	Last reset peak demand amps average time	
/mTimePeakDemandSumWatts	dateTimeValue:2250	Time of peak demand sum watts	
/mTimePeakDemandSumVARs	dateTimeValue:2252	Time of peak demand sum VARs	
/mMinIaTHDTime	dateTimeValue:2930	Time of minimum THD current phase A	
/mMinIbTHDTime	dateTimeValue:2931	Time of minimum THD current phase B	
/mMinIcTHDTime	dateTimeValue:2932	Time of minimum THD current phase C	
/mMinVabTHDTime	dateTimeValue:2934	Time of minimum THD volts A-B	
/mMinVbcTHDTime	dateTimeValue:2935	Time of minimum THDd volts B-C	
/mMinVcaTHDTime	dateTimeValue:2936	Time of minimum THD volts C-A	
/mMinVanTHDTime	dateTimeValue:2937	Time of minimum THD volts A-N	
/mMinVbnTHDTime	dateTimeValue:2938	Time of minimum THD volts B-N	
/mMinVcnTHDTime	dateTimeValue:2939	Time of minimum THD volts C-N	
/mMaxIaTHDTime	dateTimeValue:2950	Time of maximum current phase A THD	
/mMaxIbTHDTime	dateTimeValue:2951	Time of maximum current phase B THD	
/mMaxIcTHDTime	dateTimeValue:2952	Time of maximum current phase C THD	
/mMaxVabTHDTime	dateTimeValue:2954	Time of maximum volts A-B THD	
/mMaxVbcTHDTime	dateTimeValue:2955	Time of maximum volts B-C THD	
/mMaxVcaTHDTime	dateTimeValue:2956	Time of maximum volts C-A THD	
/mMaxVanTHDTime	dateTimeValue:2957	Time of maximim volts A-N THD	
/mMaxVbnTHDTime	dateTimeValue:2958	Time of maximum volts B-N THD	
/mMaxVcnTHDTime	dateTimeValue:2959	Time of maximum volts C-N THD	
/mMinFreqTime	dateTimeValue:3420	Time of minimum frequency	
/mMaxFreqTime	dateTimeValue:3421	Time of maximum frequency	
/mCurrentDate	dateTimeValue:3600	Current date	

Table 1. PXM 468K BACnet object list (continued).

Object name	BACnet object identifier	Description	Notes
/mCurrentTime	dateTimeValue:3601	Current time	
/mDemandResetCount	positiveIntegerValue:500	Number of demand resets	
/mL1Sags	positiveIntegerValue:521	Number of L1 sags	Available in PXM6000 and PXM8000 series models only.
/mL1Swells	positiveIntegerValue:522	Number of L1 swells	Available in PXM6000 and PXM8000 series models only.
/mL2Sags	positiveIntegerValue:523	Number of L2 sags	Available in PXM6000 and PXM8000 series models only.
/mL2Swells	positiveIntegerValue:524	Number of L2 swells	Available in PXM6000 and PXM8000 series models only.
/mL4Sags	positiveIntegerValue:525	Number of L4 sags	Available in PXM6000 and PXM8000 series models only.
/mL4Swells	positiveIntegerValue:526	Number of L4 swells	Available in PXM6000 and PXM8000 series models only.
/mL8Sags	positiveIntegerValue:527	Number of L8 sags	Available in PXM6000 and PXM8000 series models only.
/mL8Swells	positiveIntegerValue:528	Number of L8 swells	Available in PXM6000 and PXM8000 series models only.
/mTransients	positiveIntegerValue:590	Number of transients	Available in PXM6000 and PXM8000 series models only.

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