

YVAA / YVFA Sys 1 & 2

REV K03H

SECTION 1

ELINK

YORK TALK 2

Item	Version	Software P/N	Microboard P/N	Baud	COMMENTS															
1	C.ACS.20.xx	031-02476-010	031-02478-xxx	4800	Std.: see Elink Installation manual PN 24-10404-9 for wiring instructions; YVAA Chiller with Frame A-D VSD															
2	C.A03.23.xx	031-02476-013	031-02478-xxx	4800	YVAA Chiller with Frame E-F VSD															
3	C.ACS.21.xx	031-02476-301	031-02478-xxx	4800	YVAA Chiller with Frame E-F VSD and Quickstart															
4	C.ACS.27.xx	031-02476-331	031-02478-xxx	4800	YVAA Chiller with Frame A-D VSD and Quickstart															
5	Y.ACS.20.xx	031-03476-010	031-03478-xxx	4800	YVAA / YVFA Chiller (all Frame sizes, Quickstart, Non-quickstart)															
6																				
7																				
8																				
9																				
10																				
ENG PAGE Ref	BACnet Object Typ/Ins	Bacnet Object Name	LON Profile Name	LON SNVT Type	N2 Metasys	MODBUS		ENG UNITS		POINT LIST CODE: S = STANDARD O = OPTIONAL N = NOT AVAILABLE										ENG PAGE Ref
						Address	Scale	Imper	SI	POINT LIST DESCRIPTION										
						see notes 3														
P03	AV1	YT2_S01_P03	nviYTS01p003	SNVT_count f (51)	ADF 1	0001	Div 10	°F	°C	Setpoint (Start command must be active to take effect)										P03
P04	AV2	YT2_S01_P04	nviYTS01p004	SNVT_count f (51)	ADF 2	0002	Div 10	%	%	ISN Current Limit Start command must be active to take effect										P04
P05	AV3	YT2_S01_P05	nviYTS01p005	SNVT_count f (51)	ADF 3	0003	Div 10	%	%	ISN Sound Limit (RSL Option must be enabled or this point ignored)										P05
P06	AV4	YT2_S01_P06	nviYTS01p006	SNVT_count f (51)	ADF 4	0004	Div 10													P06
P07	BV1	YT2_S01_P07	nviYTS01p007	SNVT_switch (95)	BD 1	0061	N/A	0 / 1	0 / 1	Start / Stop Command										P07
P08	BV2	YT2_S01_P08	nviYTS01p008	SNVT_switch (95)	BD 2	0062	N/A													P08
P09	BV3	YT2_S01_P09	nviYTS01p009	SNVT_switch (95)	BD 3	0063	N/A													P09
P10	BV4	YT2_S01_P10	nviYTS01p010	SNVT_switch (95)	BD 4	0064	N/A	0 / 1	0 / 1	History Buffer 1 Request										P10
P11	AV5	YT2_S01_P11	nvoYTS01p011	SNVT_count f (51)	ADF 5	0005	X 10	°F	°C	Leaving Chilled Liquid Temp										P11
P12	AV6	YT2_S01_P12	nvoYTS01p012	SNVT_count f (51)	ADF 6	0006	X 10	°F	°C	Return Chilled Liquid Temp										P12
P13	AV7	YT2_S01_P13	nvoYTS01p013	SNVT_count f (51)	ADF 7	0007	X 10	°F	°C	VSD Internal Ambient Temp										P13
P14	AV8	YT2_S01_P14	nvoYTS01p014	SNVT_count f (51)	ADF 8	0008	X 10	°F	°C	Sys 1 Condenser Temperature										P14
P15	AV9	YT2_S01_P15	nvoYTS01p015	SNVT_count f (51)	ADF 9	0009	X 10	°F	°C	Sys 1 Discharge Temperature										P15
P16	AV10	YT2_S01_P16	nvoYTS01p016	SNVT_count f (51)	ADF 10	0010	X10	°F	°C	Outside Ambient Air Temperature										P16
P17	AV11	YT2_S01_P17	nvoYTS01p017	SNVT_count f (51)	ADF 11	0011	X10	°F	°C	Sys 1 Eductor Temperature										P17
P18	AV12	YT2_S01_P18	nvoYTS01p018	SNVT_count f (51)	ADF 12	0012	X10	PSI	BAR	Sys 1 Oil Pressure										P18
P19	AV13	YT2_S01_P19	nvoYTS01p019	SNVT_count f (51)	ADF 13	0013	X10	PSI	BAR	Sys 1 Suction Pressure										P19
P20	AV14	YT2_S01_P20	nvoYTS01p020	SNVT_count f (51)	ADF 14	0014	X10	PSI	BAR	Sys 1 Discharge Pressure										P20
P21	AV15	YT2_S01_P21	nvoYTS01p021	SNVT_count f (51)	ADF 15	0015	X10	%	%	Sys 1 Compressor % Full Load Amps										P21
P22	AV16	YT2_S01_P22	nvoYTS01p022	SNVT_count f (51)	ADF 16	0016	X1 *	hrs	hrs	Sys 1 Total Run Hours										P22
P23	AV17	YT2_S01_P23	nvoYTS01p023	SNVT_count f (51)	ADF 17	0017	X1 *	count	count	Sys 1 Total Number of Starts										P23
P24	AV18	YT2_S01_P24	nvoYTS01p024	SNVT_count f (51)	ADF 18	0018	X 10	°F	°C	Sys 1 Highest Motor Temp										P24
P25	AV19	YT2_S01_P25	nvoYTS01p025	SNVT_count f (51)	ADF 19	0019	X 10	°F	°C	Sys 2 Highest Motor Temp										P25
P26	AV20	YT2_S01_P26	nvoYTS01p026	SNVT_count f (51)	ADF 20	0020	X 10	°F	°C	Sys 2 Eductor Temperature										P26
P27	AV21	YT2_S01_P27	nvoYTS01p027	SNVT_count f (51)	ADF 21	0021	X 10	PSI	BAR	Sys 2 Oil Pressure										P27
P28	AV22	YT2_S01_P28	nvoYTS01p028	SNVT_count f (51)	ADF 22	0022	X 10	PSI	BAR	Sys 2 Suction Pressure										P28
P29	AV23	YT2_S01_P29	nvoYTS01p029	SNVT_count f (51)	ADF 23	0023	X 10	PSI	BAR	Sys 2 Discharge Pressure										P29
P30	AV24	YT2_S01_P30	nvoYTS01p030	SNVT_count f (51)	ADF 24	0024	X 1	%	%	Sys 2 Compressor % Full Load Amps										P30
P31	AV25	YT2_S01_P31	nvoYTS01p031	SNVT_count f (51)	ADF 25	0025	X1 *	hrs	hrs	Sys 2 Total Run Hours										P31
P32	AV26	YT2_S01_P32	nvoYTS01p032	SNVT_count f (51)	ADF 26	0026	X1 *	count	count	Sys 2 Total Number of Starts										P32
P33	AV27	YT2_S01_P33	nvoYTS01p033	SNVT_count f (51)	ADF 27	0027	X1 *	hz	hz	VSD Output Frequency										P33
P34	AV28	YT2_S01_P34	nvoYTS01p034	SNVT_count f (51)	ADF 28	0028	X 1	%	%	Sys 1 Condenser Drain Valve % Open										P34
P35	AV29	YT2_S01_P35	nvoYTS01p035	SNVT_count f (51)	ADF 29	0029	X 10	%	%	Sys 2 Condenser Drain Valve % Open										P35
P36	BV5	YT2_S01_P36	nvoYTS01p036	SNVT_switch (95)	BD 5	0065	N/A	0 / 1	0 / 1	Chiller Run										P36
P37	BV6	YT2_S01_P37	nvoYTS01p037	SNVT_switch (95)	BD 6	0066	N/A	0 / 1	0 / 1	Chiller Alarm (0 = no alarm, 1 = alarm)										P37
P38	BV7	YT2_S01_P38	nvoYTS01p038	SNVT_switch (95)	BD 7	0067	N/A	0 / 1	0 / 1	Evaporator Heater Status										P38
P39	BV8	YT2_S01_P39	nvoYTS01p039	SNVT_switch (95)	BD 8	0068	N/A	0 / 1	0 / 1	Evaporator Pump Status										P39
P40	BV9	YT2_S01_P40	nvoYTS01p040	SNVT_switch (95)	BD 9	0069	N/A	0 / 1	0 / 1	Sys 1 Compressor Run Status										P40
P41	BV10	YT2_S01_P41	nvoYTS01p041	SNVT_switch (95)	BD 10	0070	N/A	0 / 1	0 / 1	Sys 2 Compressor Run Status										P41
P42	BV11	YT2_S01_P42	nvoYTS01p042	SNVT_switch (95)	BD 11	0071	N/A	0 / 1	0 / 1	Sys 1 VI Step Solenoid Valve 1 Status										P42

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						Address	Scale	Imper	SI	POINT LIST DESCRIPTION										
						see note 3										1	2	3	4	
P43	BV12	YT2_S01_P43	nvoYTS01p043	SNVT_switch (95)	BD 12	0072	N/A	0 / 1	0 / 1	Sys 2 VI Step Solenoid Valve 1 Status										P43
P44	BV13	YT2_S01_P44	nvoYTS01p044	SNVT_switch (95)	BD 13	0073	N/A	0 / 1	0 / 1	Sys 1 VI Step Solenoid Valve 2 Status										P44
P45	BV14	YT2_S01_P45	nvoYTS01p045	SNVT_switch (95)	BD 14	0074	N/A	0 / 1	0 / 1	Sys 2 VI Step Solenoid Valve 2 Status										P45
P46	BV15	YT2_S01_P46	nvoYTS01p046	SNVT_switch (95)	BD 15	0075	N/A													P46
P47	BV16	YT2_S01_P47	nvoYTS01p047	SNVT_switch (95)	BD 16	0076	N/A													P47
P48	BV17	YT2_S01_P48	nvoYTS01p048	SNVT_switch (95)	BD 17	0077	N/A													P48
P49	BV18	YT2_S01_P49	nvoYTS01p049	SNVT_switch (95)	BD 18	0078	N/A													P49
P50	BV19	YT2_S01_P50	nvoYTS01p050	SNVT_switch (95)	BD 19	0079	N/A	0 / 1	0 / 1	S1-1 Cooling T type: 0=Water, 1=Glycol										P50
P51	BV20	YT2_S01_P51	nvoYTS01p051	SNVT_switch (95)	BD 20	0080	N/A	0 / 1	0 / 1	Local/Remote Control Mode: 0 = Local, 1 = Remote										P51
P52	BV21	YT2_S01_P52	nvoYTS01p052	SNVT_switch (95)	BD 21	0081	N/A	0 / 1	0 / 1	Display Units Mode: 0 = Imperial, 1 = SI										P52
P53	BV22	YT2_S01_P53	nvoYTS01p053	SNVT_switch (95)	BD 22	0082	N/A													P53
P54	BV23	YT2_S01_P54	nvoYTS01p054	SNVT_switch (95)	BD 23	0083	N/A													P54
P55	BV24	YT2_S01_P55	nvoYTS01p055	SNVT_switch (95)	BD 24	0084	N/A													P55
P56	MV1	YT2_S01_P56	nvoYTS01p056	SNVT_count f (51)	ADI 1	0030	X 1	enum	enum	*Sys 1 Operational Code										P56
P57	MV2	YT2_S01_P57	nvoYTS01p057	SNVT_count f (51)	ADI 2	0031	X 1	enum	enum	*Sys 1 Fault Code										P57
P58	MV3	YT2_S01_P58	nvoYTS01p058	SNVT_count f (51)	ADI 3	0032	X 1	enum	enum	*Sys 2 Operational Code										P58
P59	MV4	YT2_S01_P59	nvoYTS01p059	SNVT_count f (51)	ADI 4	0033	X 1	enum	enum	*Sys 2 Fault Code										P59
P60	MV5	YT2_S01_P60	nvoYTS01p060	SNVT_count f (51)	ADI 5	0034	X 1	count	count	Sys 1 Condenser Fan Stage (0-14)										P60
P61	MV6	YT2_S01_P61	nvoYTS01p061	SNVT_count f (51)	ADI 6	0035	X 1	count	count	Sys 1 Condenser Fan Speed (vsd)										P61
P62	MV7	YT2_S01_P62	nvoYTS01p062	SNVT_count f (51)	ADI 7	0036	X 1	count	count	Sys 2 Condenser Fan Stage (0-14)										P62
P63	MV8	YT2_S01_P63	nvoYTS01p063	SNVT_count f (51)	ADI 8	0037	X 1	count	count	Sys 2 Condenser Fan Speed (vsd)										P63
P64	MV9	YT2_S01_P64	nvoYTS01p064	SNVT_count f (51)	ADI 9	0038	X 1	count	count	Lead System Number										P64
P65	MV10	YT2_S01_P65	nvoYTS01p065	SNVT_count f (51)	ADI 10	0039	X 1	enum	enum	Spare										P65
P66	AV30	YT2_S01_P66	nvoYTS01p066	SNVT_count f (51)	ADF 30	0040	X 1	°F	°C	Local Leaving Chilled Liquid Setpoint										P66
P67	AV31	YT2_S01_P67	nvoYTS01p067	SNVT_count f (51)	ADF 31	0041	X 1	°F	°C	Low Leaving Chilled Liquid Temp Cutout										P67
P68	AV32	YT2_S01_P68	nvoYTS01p068	SNVT_count f (51)	ADF 32	0042	X 1	%	%	Sys 1 Economizer Valve % Open										P68
P69	AV33	YT2_S01_P69	nvoYTS01p069	SNVT_count f (51)	ADF 33	0043	X 1	%	%	Sys 2 Economizer Valve % Open										P69
P70	AV34	YT2_S01_P70	nvoYTS01p070	SNVT_count f (51)	ADF 34	0044	X 10	PSI	BAR	Low Suction Pressure Cutout										P70
P71	AV35	YT2_S01_P71	nvoYTS01p071	SNVT_count f (51)	ADF 35	0045	X1 *	volts	volts	VSD DC Bus Voltage										P71
P72	AV36	YT2_S01_P72	nvoYTS01p072	SNVT_count f (51)	ADF 36	0046	X1 *	°F	°C	Remote Leaving Chilled Liquid Setpoint										P72
P73	AV37	YT2_S01_P73	nvoYTS01p073	SNVT_count f (51)	ADF 37	0047	X1 *	°F	°C	Sys 1 Subcooling										P73
P74	AV38	YT2_S01_P74	nvoYTS01p074	SNVT_count f (51)	ADF 38	0048	X1 *	°F	°C	Cooling Range										P74
P75	AV39	YT2_S01_P75	nvoYTS01p075	SNVT_count f (51)	ADF 39	0049	X1 *	°F	°C	Sys 1 Discharge Superheat										P75
P76	AV40	YT2_S01_P76	nvoYTS01p076	SNVT_count f (51)	ADF 40	0050	X 1	°F	°C	Sys 2 Condenser Temperature										P76
P77	AV41	YT2_S01_P77	nvoYTS01p077	SNVT_count f (51)	ADF 41	0051	X 1	°F	°C	Sys 2 Discharge Temperature										P77
P78	AV42	YT2_S01_P78	nvoYTS01p078	SNVT_count f (51)	ADF 42	0052	X 1	°F	°C	Sys 2 Subcooling										P78
P79	AV 43	YT2_S01_P79	nvoYTS01p079	SNVT_count f (51)	ADF 43	0053	X 1	°F	°C	Sys 2 Discharge Superheat										P79
P80	BV25	YT2_S01_P80	nvoYTS01p080	SNVT_switch (95)	BD 25	0085	N/A	0/1	0/1	Sys 1 Lockout										P80
P81	BV26	YT2_S01_P81	nvoYTS01p081	SNVT_switch (95)	BD 26	0086	N/A	0/1	0/1	Sys 2 Lockout										P81
P82	BV27	YT2_S01_P82	nvoYTS01p082	SNVT_switch (95)	BD 27	0087	N/A													P82
P83	BV28	YT2_S01_P83	nvoYTS01p083	SNVT_switch (95)	BD 28	0088	N/A													P83
P84	BV29	YT2_S01_P84	nvoYTS01p084	SNVT_switch (95)	BD 29	0089	N/A													P84

NOTES											
1	LON SNVTs Used: SNVT_count (8), SNVT_leve_percent (81), SNVT_temp_p (105), SNVT_switch (95), SNVT_time_minute (123), SNVT_freq_hz (76), SNVT_amp (01), SNVT_elec_kwh (13), SNVT_power_kilo (83), SNVT_volt (44), SNVT_volt_ac (138), SNVT_press_p (87)										
2											
3	MODBUS scaling factors indicated in BOLD with an (*) asterisk are User Configurable, by a field technician if necessary. All Modbus values are of the type SIGNED with the exception of the User Configurable values that are all UNSIGNED. Modbus Function Types Supported (ENG P03-P06 = Types 03, 06, 16), (ENG P07- P10 = 01, 03, 05, 15, 06, 16), (ENG P11-P35, P56-P79) = 03, 04), (ENG P36-P55, P80 -P84 = 01, 02, 03)										
4	BACnet Engineering Units shown with an (*) Asterisk will be assigned a BACnet Eng Unit type of (95) ie NO UNITS.										
5	Status Codes: Special Display characters such as (.,), [], { }, \, %, < and > are not compatible with Elink N2 formats. Substitute text strings, "-", PCT, GTN will be used.										
6	Status Codes: Status Code Text string lengths are limited to 60 total characters (including spaces)										
7	Codes are available only in Firmware versions C.A21.14.03 or later. Contact your JCI FSC for assistance on upgrading your firmware										
8											
9											
10											

NOTE: The Appropriate Product Code Listing Summary Should Accompany Document

