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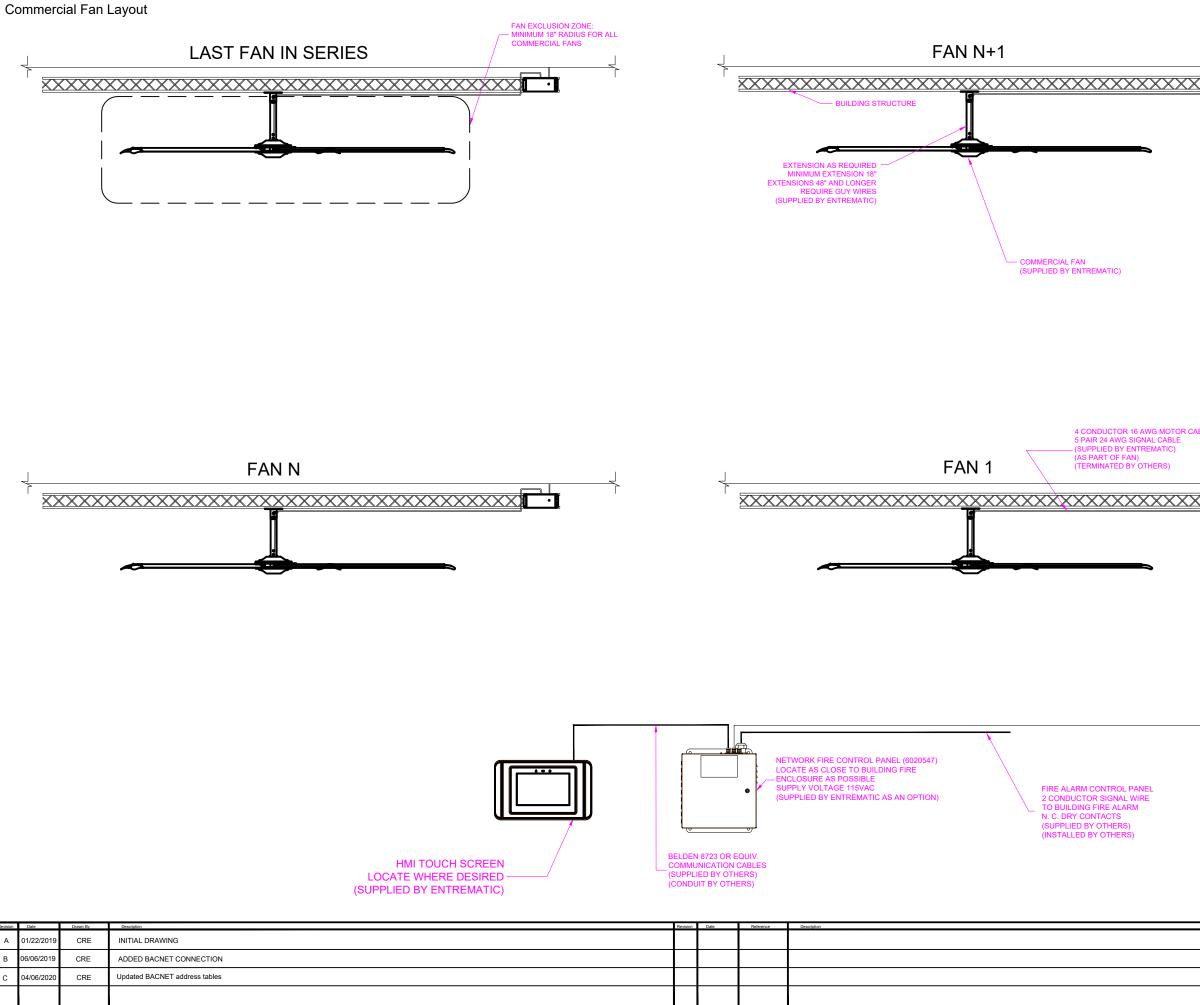
ADDED BACNET CONNECTION

Updated BACNET address tables

		General	Notes	
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		1) BUILDING STRUCTURE SUFFICIENT TO SUPPOR INSTALLATION. CONSUL REGISTERED ARCHITECT	THE FAN A OR	
CATALOG	MFG	PROFESSIONAL ENGINEE 2) ELECTRICAL CONTRAC	TOR SHALL	
15936	REDLION	ENSURE THAT ALL ELECT MEETS LOCAL ELECTRIC		
021099	MEAN WELL	3) GENERAL CONTRACTO ENSURE EQUIPMENT INS MEETS ALL APPLICABLE	TALLATION	
019512	WAGO	CODES.		
21619	OKW CALRAD	4) STANDARD MOUNT AC I-BEAM INSTALLATION. F GLULAM/WOOD BEAM, Z- TRUSS BRIDGES PLEASE ORDER.	OR PURLIN OR	
		5) THE VFD ENCLOSURE INSTALLED OUTSIDE AND DISTANCE FROM THE BL/ FOR SERVICE PURPOSES	A SAFE	
		6) MULTI-FAN INSTALLATI ONE TOUCHSCREEN HMI		
		7) NOTE: THE INSTALLATION OF H BUILDINGS EQUIPPED W SPRINKLERS, INCLUDIW SPRINKLERS, SHALL CO THE FOLLOWING:	'ITH G "ESFR"	
natio	n	(A) THE HVLS FAN SHALL CENTERED APPROXIMA FOUR ADJACENT SPRINI (B) THE VERTICAL CLEAI THE HVLS FAN TO THE S DEFLECTOR SHALL BE A FT (0.9M); (C) ALL HVLS FANS SHAI INTERLOCKED TO SHUT IMMEDIATELY UPON REC WATERFLOW SIGNAL FF ALARM SYSTEM IN ACCC THE REQUIREMENTS OF	TELY BETWEEN (LERS. RANCE FROM PRINKLER MINIMUM OF 3 L BE DOWN DEIVING A COM THE DOMANCE WITH	
ptiona ACnet er Su ated Capat	tional* al* t TCP/IP* pply			
		Firm Name and Addre	ess	
		ENTRE	////AT	' IC
		1612 Hutton Dr Carrollton,	ive, Suite 140	
			Regional Sale Mana	
		Date: 04/06/2020	Drawing Number: 602161	
		Scale:	Sheet Number:	Rev:
		NTS	1 OF 10	С

General Notes

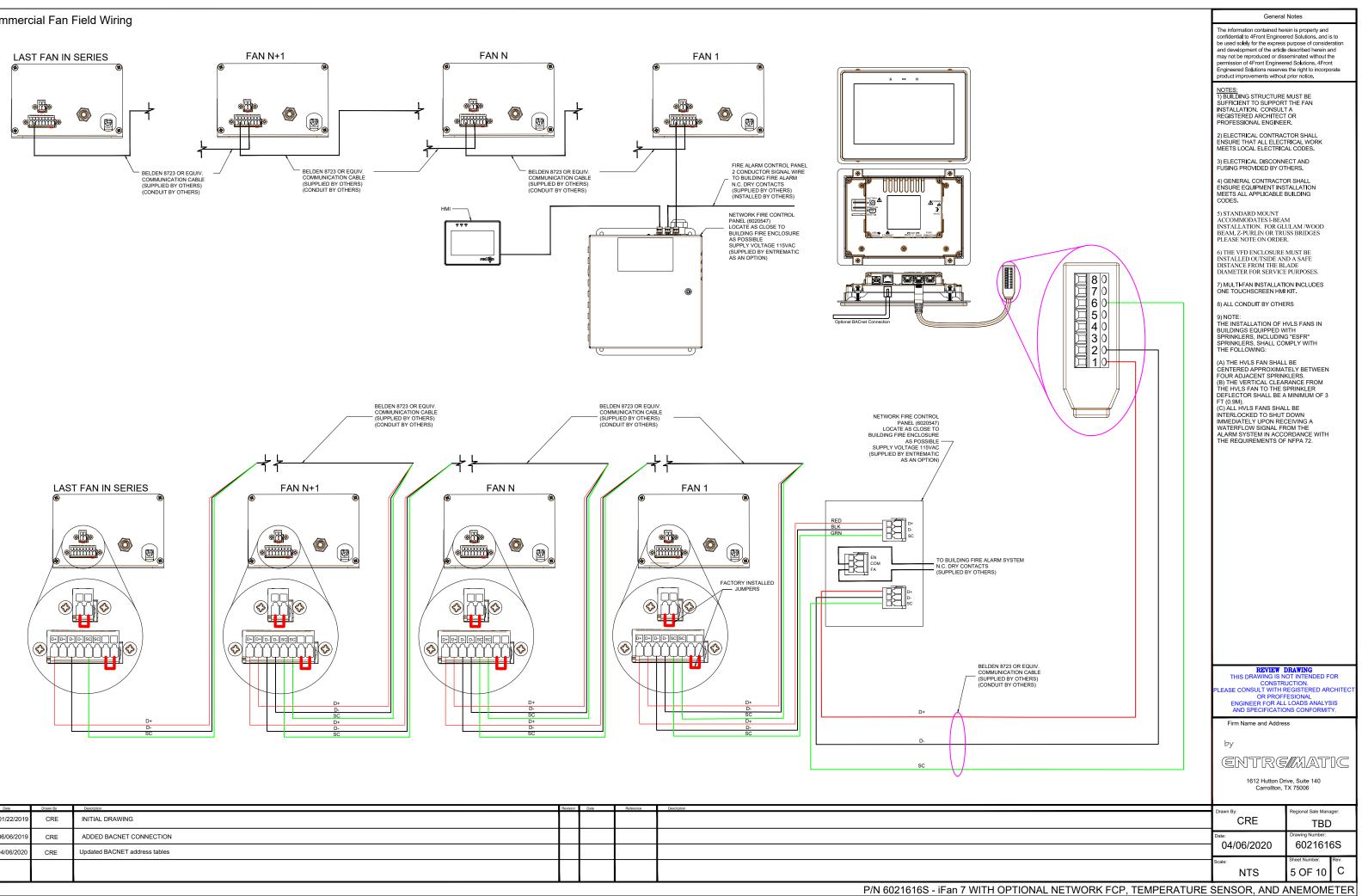
P/N 6021616S - iFan 7 WITH OPTIONAL NETWORK FCP, TEMPERATURE SENSOR, AND ANEMOMETER



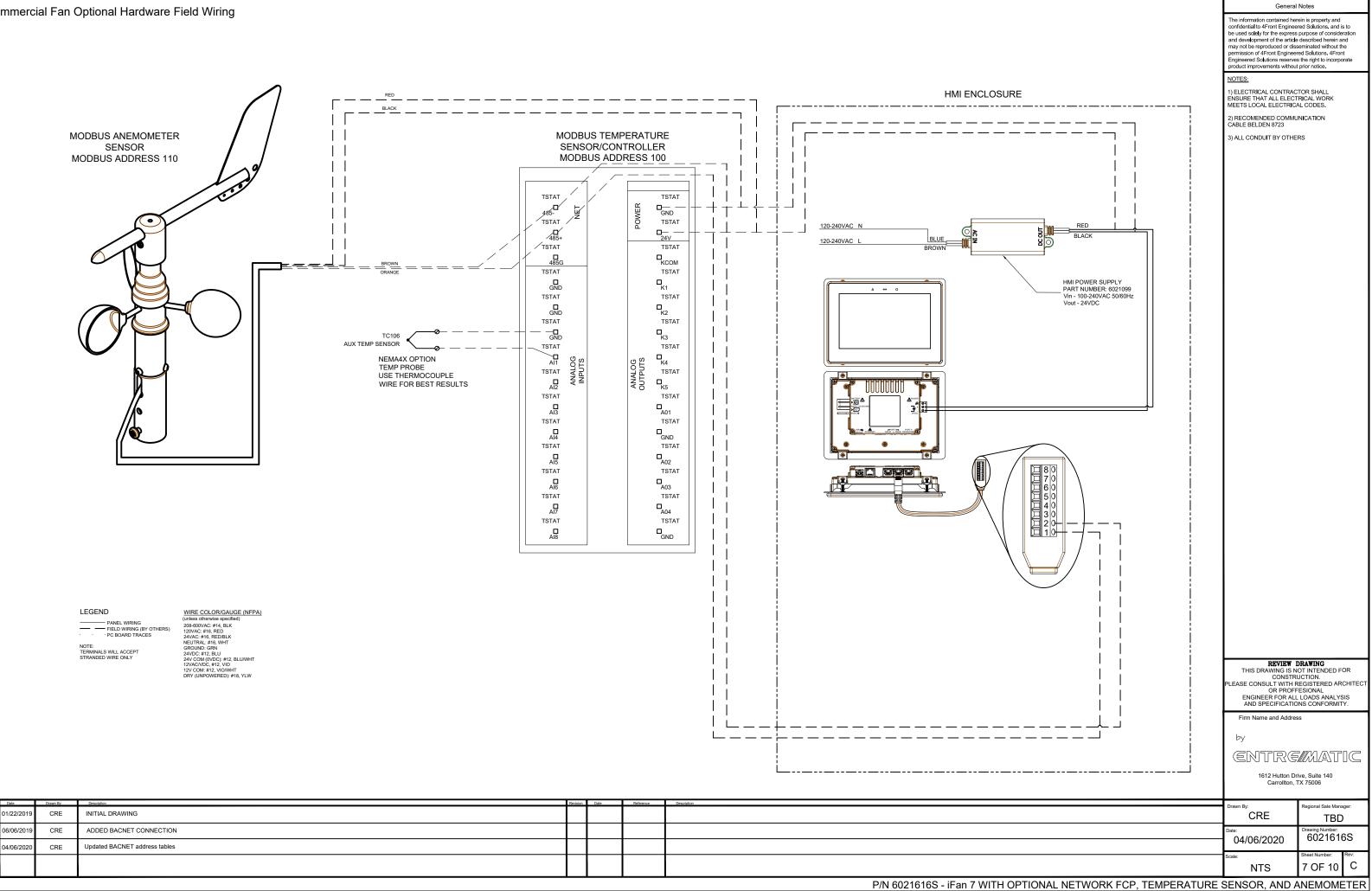
P/N 6021616S - iFan 7 WITH O

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	NOTES: 1) BUILDING STRUCTURE SUFFICIENT TO SUPPORT INSTALLATION. CONSULT REGISTERED ARCHITECT PROFESSIONAL ENGINEE	THE FAN TA TOR
	2) ELECTRICAL CONTRAC ENSURE THAT ALL ELECT MEETS LOCAL ELECTRIC	RICAL WORK
	3) ELECTRICAL DISCONN FUSING PROVIDED BY OT	
	4) GENERAL CONTRACTO ENSURE EQUIPMENT INS MEETS ALL APPLICABLE E CODES.	TALLATION
	5) STANDARD MOUNT ACCOMMODATES I-BEAI INSTALLATION. FOR GLI BEAM, Z-PURLIN OR TRU PLEASE NOTE ON ORDEF	ULAM /WOOD ISS BRIDGES
	6) THE VFD ENCLOSURE INSTALLED OUTSIDE AN DISTANCE FROM THE BL DIAMETER FOR SERVICE	D A SAFE ADE
	7) MULTI-FAN INSTALLATI ONE TOUCHSCREEN HMI	KIT.
	 ALL CONDUIT BY OTHE NOTE: 	RS
	THE INSTALLATION OF H BUILDINGS EQUIPPED W SPRINKLERS, INCLUDING SPRINKLERS, SHALL CO THE FOLLOWING:	ITH G "ESFR"
ABLE	(A) THE HVLS FAN SHALL CENTERED APPROXIMA FOUR ADJACENT SPRIN (B) THE VERTICAL CLEAP THE HVLS FAN TO THE S	TELY BETWEEN KLERS. RANCE FROM SPRINKLER
	DEFLECTOR SHALL BE A FT (0.9M). (C) ALL HVLS FANS SHAL INTERLOCKED TO SHUT	L BE
	IMMEDIATELY UPON REC WATERFLOW SIGNAL FR ALARM SYSTEM IN ACCO	CEIVING A
INCOMING BUILDING PO (TEMINATED BY OTHERS	THE REQUIREMENTS OF	
BELDEN 8723 OR EQUIV. COMMUNICATION CABLES (SUPPLIED BY OTHERS) (CONDUIT BY OTHERS)		
	REVIEW I THIS DRAWING IS N CONSTRI PLEASE CONSULT WITH F	OT INTENDED FOR JCTION.
	OR PROFF ENGINEER FOR ALL AND SPECIFICATIO	ESIONAL LOADS ANALYSIS
	Firm Name and Addres	
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	ENTRE	MATIC
	1612 Hutton Dr Carrollton, ⊺	
	Drawn By: CRE	Regional Sale Manager: TBD
	Date: 04/06/2020	Drawing Number: 6021616S
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PTIONAL NETWORK FCP, TEMPERATURE S	NTS SENSOR, AND A	





Revision	Date	Drawn By	Description	Revision	Date	Reference	Description
А	01/22/2019	CRE	INITIAL DRAWING				
в	06/06/2019	CRE	ADDED BACNET CONNECTION				
С	04/06/2020	CRE	Updated BACNET address tables				



BACnet Mapping

E.c.		Pogistor Description	Exported Dat-	Decult /Contract	Net
Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
	A00001	Fan Mode	1	Start	
			2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	A00002	Direction	-1	Reverse	
	A00002	Direction	1	Forward	
	AO0003	Speed set	1-10	Speed	
	A00004	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 1	AI0001	Fan Status	2	Forward	
	/	Turi Status	4		
			4	Reverse VFD outpt	
	A10002	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0003	Motor Current	0-5	VFD Output Current	
	A10003	Fault Code	*	See Table	Fault Codes listed in Fault code table
	A10004	Fault Code			
	AI0097	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
	AI0098	Fan LOC	0	Good communication	0 = False
			1	No communication	1 = True
			0	Stop	
	A 00005	For Maria	1	Start	
	A00005	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
			-1	Reverse	
	AO0006	Direction	1	Forward	
	A00007	Speed set		Speed	
			1-10		Only report in the case of a fault condition
	A00008	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
Fac: 0	l		1	Drive Running	
Fan 2	A10005	Fan Status	2	Forward	
			4	Reverse	
				VFD outpt	
	AI0006	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0007	Motor Current	0-5	VFD Output Current	
	AI0008	Fault Code	*	See Table	Fault Codes listed in Fault code table
		land have find the contract	0	Fire Alarm Activated	0 = False
	A10099	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI00100	Fan LOC	1	No communication	1 = True
			0	Stop	1 1100
				Start	
	AO0009	Fan Mode	1		Onting have to have transported and the
			2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0010	Direction	-1	Reverse	
		Direction	1	Forward	
	AO0011	Speed set	1-10	Speed	
	A00012	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 3	A10009	Fan Status	2	Forward	
	/	Turi Status		Reverse	
			4	VFD outpt	
	AI0010	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	A10010	Motor Current	0-200	VFD Output Current	
	A10011 A10012		*	See Table	Fault Codes listed in Fault and stable
	AIUU12	Fault Code			Fault Codes listed in Fault code table
	AI0101	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
	AI0102	Fan LOC	0	Good communication	0 = False
			1	No communication	1 = True
			0	Stop	
			1	Start	
1	400043	For Maria	1		
	A00013	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
	A00013	Fan Mode		Temp Run Mode Humidity Run Mode	Option, have to have temp sensor option Option, have to have humidity sensor option
			2 3	Humidity Run Mode	
	A00013 A00014	Fan Mode Direction	2 3 -1	Humidity Run Mode Reverse	
	A00014	Direction	2 3 -1 1	Humidity Run Mode Reverse Forward	
	A00014 A00015	Direction Speed set	2 3 -1 1 1-10	Humidity Run Mode Reverse Forward Speed	Option, have to have humidity sensor option
	A00014	Direction	2 3 -1 1 1-10 >0	Humidity Run Mode Reverse Forward Speed Fault Reset	
	A00014 A00015 A00016	Direction Speed set Fam Reset	2 3 -1 1 1-10 >0 1	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running	Option, have to have humidity sensor option
Fan 4	A00014 A00015	Direction Speed set	2 3 -1 1 1-10 >0	Humidity Run Mode Reverse Forward Speed Fault Reset	Option, have to have humidity sensor option
Fan 4	A00014 A00015 A00016	Direction Speed set Fam Reset	2 3 -1 1 1-10 >0 1	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running	Option, have to have humidity sensor option
Fan 4	A00014 A00015 A00016 A10013	Direction Speed set Fam Reset Fan Status	2 3 -1 1 1-10 > 0 1 2 4	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt	Option, have to have humidity sensor option Only reset in the case of a fault condition
Fan 4	A00014 A00015 A00016	Direction Speed set Fam Reset	2 3 -1 1-10 >0 1 2	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse	Option, have to have humidity sensor option
Fan 4	A00014 A00015 A00016 A10013	Direction Speed set Fam Reset Fan Status	2 3 -1 1 1-10 > 0 1 2 4	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt	Option, have to have humidity sensor option Only reset in the case of a fault condition
Fan 4	A00014 A00015 A00016 A10013 A10014	Direction Speed set Fam Reset Fan Status Motor speed	2 3 -1 1 1-10 > 0 1 2 4 0-200	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current	Option, have to have humidity sensor option Only reset in the case of a fault condition
Fan 4	A00014 A00015 A00016 A10013 A10014 A10015 A10016	Direction Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code	2 3 -1 1 1-10 > 0 1 2 4 0-200 0-5 *	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table	Option, have to have humidity sensor option Only reset in the case of a fault condition Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table
Fan 4	A00014 A00015 A00016 A10013 A10014 A10015	Direction Speed set Fam Reset Fan Status Motor speed Motor Current	2 3 -1 1 1-10 >0 1 2 4 0-200 0-5 * 0	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD output Current See Table Fire Alarm Activated	Option, have to have humidity sensor option Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False
Fan 4	A00014 A00015 A00016 A10013 A10014 A10015 A10016	Direction Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code	2 3 -1 1 1-10 >0 1 2 4 0-200 0-5 * 0 1	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Outpt Current See Table Fire Alarm Activated No Fire Alarm	Option, have to have humidity sensor option Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True
Fan 4	A00014 A00015 A00016 A10013 A10014 A10015 A10016	Direction Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code	2 3 -1 1 1-10 >0 1 2 4 0-200 0-5 * 0	Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD output Current See Table Fire Alarm Activated	Option, have to have humidity sensor option Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False

	-				
Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
	AO0017	Fan Mode	1	Start Tomp Dup Made	Ontion, have to have terms concer ontion
			2	Temp Run Mode Humidity Run Mode	Option, have to have temp sensor option Option, have to have humidity sensor option
			-1	Reverse	option, have to have naminary sensor option
	AO0018	Direction	1	Forward	
	AO0019	Speed set	1-10	Speed	
	A00020	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 5	AI0017	Fan Status	2	Forward	
			4	Reverse	
	AI0018	Motor speed	0-200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	AI0019	Motor Current	0-5	VFD Output Current	
	AI0020	Fault Code	*	See Table	Fault Codes listed in Fault code table
	AI0105	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
	AI0106	Fan LOC	0	Good communication	0 = False
			0	No communication Stop	1 = True
			1	Start	
	A00021	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	A00022	Direction	-1	Reverse	
			1	Forward	
	A00023	Speed set	1-10	Speed	
	A00024	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
Fan 6	410004	Fan Status	1	Drive Running	
Tanto	AI0021	Fan Status	2 4	Forward	
			4	Reverse VFD outpt	
	AI0022	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0023	Motor Current	0-5	VFD Output Current	
	AI0024	Fault Code	*	See Table	Fault Codes listed in Fault code table
	AI0107	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
	AI0108	Fan LOC	0	Good communication No communication	0 = False 1 = True
			0	Stop	1-1100
			1	Start	
	A00025	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	A00026	Direction	-1	Reverse	
			1	Forward	
	A00027	Speed set	1-10	Speed	Only reset in the case of a fault condition
	A00008	Fam Reset	> 0	Fault Reset Drive Running	Only reset in the case of a fault condition
Fan 7	AI0025	Fan Status	2	Forward	
			4	Reverse	
				VFD outpt	
	AI0026	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0027	Motor Current	0-5	VFD Output Current	
	AI0028	Fault Code	0	See Table Fire Alarm Activated	Fault Codes listed in Fault code table 0 = False
	AI0109	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	0 = Faise 1 = True
			0	Good communication	0 = False
	AI0110	Fan LOC	1	No communication	1 = True
			0	Stop	
	AO0029	Fan Mode	1	Start	
			2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0030	Direction	-1	Reverse Forward	
	A00031	Speed set	1-10	Speed	
	A00032	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 8	AI0029	Fan Status	2	Forward	
			4	Reverse	
	AI0030	Motor speed	0.200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	AI0030 AI0031	Motor Speed	0-200	VFD Output Current	most requercy can vary based on size of fall
	AI0031	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0111	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
	AI0112	Fan LOC	0	Good communication	0 = False
	7.00112		1	No communication	1 = True

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Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes		
			0	Stop		NOTES:	
	AO0033	Fan Mode	1	Start		1) ELECTRICAL CONTRACT ENSURE THAT ALL ELECT	
	100000	Turi Mode	2	Temp Run Mode	Option, have to have temp sensor option	MEETS LOCAL ELECTRIC	
-			3	Humidity Run Mode	Option, have to have humidity sensor option	2) RECOMENDED COMMU	
	AO0034	Direction	-1	Reverse		CABLE BELDEN 8723	
ł	A00035	Speed set	1 1-10	Forward Speed		3) ALL CONDUIT BY OTHE	RS
1	A00036	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition	-,	
l l			1	Drive Running			
Fan 9	AI0033	Fan Status	2	Forward			
			4	Reverse			
	AI0034	Motor speed	0-200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan		
t	AI0035	Motor Current	0-5	VFD Output Current			
	AI0036	Fault Code	*	See Table	Fault Codes listed in Fault code table		
	AI0113	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False		
-			1	No Fire Alarm Good communication	1 = True		
	AI0114	Fan LOC	0	No communication	0 = False 1 = True		
			0	Stop	1 1100		
	A00037	For Made	1	Start			
	A00037	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option		
ļ			3	Humidity Run Mode	Option, have to have humidity sensor option		
	AO0038	Direction	-1	Reverse Forward			
ł	A00039	Speed set	1	Speed			
ł	A00040	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition	1	
_ 1			1	Drive Running			
Fan 10	AI0037	Fan Status	2	Forward]	1	
			4	Reverse VFD outpt			
ļ	AI0038	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan		
-	AI0039	Motor Current	0-5	VFD Output Current			
ł	AI0040	Fault Code	*	See Table Fire Alarm Activated	Fault Codes listed in Fault code table 0 = False		
	AI0115	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True		
l	AI0116	Fan LOC	0	Good communication	0 = False		
	AIOIIO	Fail LOC	1	No communication	1 = True		
			0	Stop			
	AO0041	Fan Mode	1 2	Start Temp Run Mode	Option, have to have temp sensor option		
			3	Humidity Run Mode	Option, have to have humidity sensor option		
l	A00042	Direction	-1	Reverse			
ļ			1	Forward			
	AO0043 AO0044	Speed set	1-10	Speed	Only reset in the case of a fault condition		
ł	A00044	Fam Reset	> 0	Fault Reset Drive Running			
Fan 11	AI0041	Fan Status	2	Forward			
			4	Reverse			
	AI0042	Motor speed	0-200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan		
t	AI0043	Motor Current	0-5	VFD Output Current			
Į	AI0044	Fault Code	*	See Table	Fault Codes listed in Fault code table		
	AI0117	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False		
ł			1 0	No Fire Alarm Good communication	1 = True 0 = False		
	AI0118	Fan LOC	1	No communication	1 = True	1	
			0	Stop			
	AO0045	Fan Mode	1	Start			
			2	Temp Run Mode	Option, have to have temp sensor option		
-			3	Humidity Run Mode Reverse	Option, have to have humidity sensor option	1	
	AO0046	Direction	-1	Forward		1	
t	A00047	Speed set	1-10	Speed			
	A00048	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition	1	
Fan 12	AI0045	Fan Status	1 2	Drive Running Forward	+	REVIEW 1	DRAWING
-		. an status	4	Reverse	+	THIS DRAWING IS N CONSTR	OT INTENDED FOR
				VFD outpt		PLEASE CONSULT WITH F	REGISTERED ARCHITECT
ł	AI0046 AI0047	Motor speed Motor Current	0-200	frequency/RPM VFD Output Current	Max frequency can vary based on size of fan	OR PROFF ENGINEER FOR ALL	LOADS ANALYSIS
ł	AI0047 AI0048	Fault Code	*	See Table	Fault Codes listed in Fault code table	AND SPECIFICATIO	ONS CONFORMITY.
	AI0119	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False	Firm Name and Addres	SS
ļ	. 10113	, contact	1	No Fire Alarm	1 = True		
	AI0120	Fan LOC	0	Good communication No communication	0 = False 1 = True	Ьу	
			1	No communication	1 = 1100		
						ENTRE	/////ALUUC
						1612 Hutton Dr	ive. Suite 140
						Carrollton,	
						Drawn By:	Regional Sale Manager:
						CRE	TBD
						Date:	Drawing Number:
						04/06/2020	6021616S
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General Notes

Revision	Date	Drawn By	Description	Revision	Date	Reference	Description
А	01/22/2019	CRE	INITIAL DRAWING				
В	06/06/2019	CRE	ADDED BACNET CONNECTION				
с	04/06/2020	CRE	Updated BACNET address tables				

BACnet Mapping Cont.

Fan B,	ACnet Address	Register Description	Expected Data		
	AO0049		0	Result/Status Stop	Notes
	AO0049		1	Start	
		Fan Mode	2	Start Temp Run Mode	Option, have to have temp sensor option
				Humidity Run Mode	Option, have to have temp sensor option
			3		appending the contract national sensor option
	AO0050	Direction		Reverse	
	A00051	Speed set	1	Forward Speed	
۱ –	A00051 A00052	Fam Reset	1-10 > 0	Fault Reset	Only reset in the case of a fault condition
	A00052	Falli Reset		Drive Running	Only reset in the case of a fault condition
Fan 13	AI0049	Fan Status	1		
	A10049	Fall Status	2	Forward	
			4	Reverse VFD outpt	
	AI0050	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0051	Motor Current	0-5	VFD Output Current	
	AI0052	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0121	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI0122	Fan LOC	1	No communication	1 = True
			0	Stop	1 100
			1	Start	
	AO0053	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
			-1	Reverse	
	AO0054	Direction	1	Forward	
	A00055	Speed set	1-10	Speed	
	A00055	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
		. un neset	>0	Drive Running	, the second sec
Fan 14	AI0053	Fan Status	2	Forward	
	100000	Tan Status	4	Reverse	
			4	VFD outpt	
	AI0054	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0055	Motor Current	0-5	VFD Output Current	
	AI0056	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0123	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI0124	Fan LOC	1	No communication	1 = True
			0	Stop	
			1	Start	
	AO0057	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
			-1	Reverse	
	AO0058	Direction	1	Forward	
	AO0059	Speed set	1-10	Speed	
	A00060	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 15	AI0057	Fan Status	2	Forward	
	,		4	Reverse	
			4	VFD outpt	
	AI0058	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0059	Motor Current	0-5	VFD Output Current	
	AI0060	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0125	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
	410425	Fra 100	0	Good communication	0 = False
	AI0126	Fan LOC	1	No communication	1 = True
			0	Stop	
	100000	Free Mr. 1	1	Start	
	AO0061	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	100000	N N	-1	Reverse	
	AO0062	Direction	1	Forward	
	A00063	Speed set	1-10	Speed	
	A00064	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
1			1	Drive Running	
	AI0061	Fan Status	2	Forward	
Fan 16			4	Reverse	
Fan 16			+	VFD outpt	
Fan 16			0-200	frequency/RPM	Max frequency can vary based on size of fan
Fan 16	AI0062	Motor speed	0-200		
Fan 16	AI0062 AI0063		0-200	VFD Output Current	
Fan 16		Motor Current		· ·	Fault Codes listed in Fault code table
Fan 16	AI0063 AI0064	Motor Current Fault Code	0-5 *	See Table	Fault Codes listed in Fault code table 0 = False
Fan 16	AI0063	Motor Current	0-5	See Table Fire Alarm Activated	Fault Codes listed in Fault code table 0 = False 1 = True
Fan 16	AI0063 AI0064	Motor Current Fault Code	0-5 * 0	See Table	0 = False

	DACast tiller	Register Description	Expected Date	Pocult/Status	Notes
Fan	BACnet Address	Register Description	Expected Data 0	Result/Status Stop	Notes
			1	Start	
	AO0065	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0066	Direction	-1	Reverse	
	A00000		1	Forward	
	A00067	Speed set	1-10	Speed	
	AO0068	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
F 47			1	Drive Running	
Fan 17	AI0065	Fan Status	2	Forward	
			4	Reverse VFD outpt	
	A10066	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0067	Motor Current	0-5	VFD Output Current	
	AI0068	Fault Code	*	See Table	Fault Codes listed in Fault code table
	AI0129	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
	740125	input sumper/rice riturn contact	1	No Fire Alarm	1 = True
	AI0130	Fan LOC	0	Good communication	0 = False
			1	No communication	1 = True
			0	Stop	
	AO0069	Fan Mode	2	Start Temp Run Mode	Option, have to have temp sensor option
			2	Humidity Run Mode	Option, have to have temp sensor option
			-1	Reverse	server y letter to the indity server option
	AO0070	Direction	1	Forward	
	A00071	Speed set	1-10	Speed	
	A00072	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 18	AI0069	Fan Status	2	Forward	
			4	Reverse	
		Motor coord		VFD outpt	Max frequency can vary based on size of fan
-	AI0070	Motor speed	0-200	frequency/RPM VFD Output Current	Max frequency can vary based on size of fait
	AI0071 AI0072	Motor Current Fault Code	0-5	See Table	Fault Codes listed in Fault code table
	A10072		0	Fire Alarm Activated	0 = False
	AI0131	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI0132	Fan LOC	1	No communication	1 = True
			0	Stop	
	A00073	Fan Mode	1	Start	
	A00073	Fair Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0074	Direction	-1	Reverse	
	100075		1	Forward	
	A00075 A00076	Speed set Fam Reset	1-10	Speed	Only reset in the case of a fault condition
	A00070	Failt Reset	> 0	Fault Reset Drive Running	only reset in the case of a fault condition
Fan 19	AI0073	Fan Status	2	Forward	
	140075	i di Statas	4	Reverse	
			•	VFD outpt	
	AI0074	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0075	Motor Current	0-5	VFD Output Current	
	AI0076	Fault Code	*	See Table	Fault Codes listed in Fault code table
	AI0133	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
	AI0134	Fan LOC	0	Good communication	0 = False
			0	No communication Stop	1 = ITUE
			1	Start	
	A00077	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
			-1	Reverse	
	AO0078	Direction	1	Forward	
	AO0079	Speed set	1-10	Speed	
	AO0080	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 20	AI0077	Fan Status	2	Forward	
			4	Reverse	
	410079	Motor speed	0.300	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	AI0078 AI0079	Motor Speed Motor Current	0-200	VFD Output Current	wax nequency can vary based on size of ran
	AI0079 AI0080	Fault Code	-5	See Table	Fault Codes listed in Fault code table
		i dan couc			0 = False
			0	Fire Alarm Activated	U = Faise
	AI0135	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated No Fire Alarm	
	AI0135 AI0136	Input Jumper/Fire Alarm Contact Fan LOC	0 1 0	No Fire Alarm Good communication	0 = Faise 1 = True 0 = Faise

Fan BACnet Ad A0008 A0008 A0008 A0008 A0008 A0008 A0008 A0008 A0008 A0008 A0008 A0008 A008 A0088 A0088	31 Fan Mode 32 Direction 33 Speed set 34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	0081 Fan Mode 0 1 2 3 3 0082 Direction -1 0083 Speed set 1.10 0084 Fam Reset > 0 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 1138 Fan LOC 1 0085 Fan Mode 2 30086 Direction 1 0087 Speed set 1.10	Result/Status Stop Start Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Start Temp Run Mode	Notes Option, have to have temp sensor option Option, have to have humidity sensor option Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True	The information contained here confidential to 4Front Engines be used solely for the express and development of the article may not be reproduced or dis permission of 4Front Enginee Engineered Solutions reserve product improvements without <u>NOTES:</u> 1) ELECTRICAL CONTRAC ENSURE THAT ALL ELECT MEETS LOCAL ELECTRICAL 2) RECOMENDED COMML CABLE BELDEN 8723 3) ALL CONDUIT BY OTHE	ared Solutions, and is to s purpose of consideration described herein and seminated without the red Solutions. Afront is the right to incorporate t prior notice.
A0008 A008 A0	31 Fan Mode 32 Direction 33 Speed set 34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	0081 Fan Mode 0 1 2 3 3 0082 Direction -1 0083 Speed set 1.10 0084 Fam Reset > 0 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 1138 Fan LOC 1 0085 Fan Mode 2 30086 Direction 1 0087 Speed set 1.10	Stop Start Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Option, have to have temp sensor option Option, have to have humidity sensor option Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False	1) ELECTRICAL CONTRAC ENSURE THAT ALL ELECT MEETS LOCAL ELECTRIC, 2) RECOMENDED COMML CABLE BELDEN 8723	TRICAL WORK AL CODES. JNICATION
A0008 A008 A0	31 Fan Mode 32 Direction 33 Speed set 34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	0081 Fan Mode 0 1 2 3 3 0082 Direction -1 0083 Speed set 1.10 0084 Fam Reset > 0 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 1138 Fan LOC 1 0085 Fan Mode 2 30086 Direction 1 0087 Speed set 1.10	Stop Start Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Option, have to have temp sensor option Option, have to have humidity sensor option Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False	ENSURE THAT ALL ELECT MEETS LOCAL ELECTRIC/ 2) RECOMENDED COMML CABLE BELDEN 8723	TRICAL WORK AL CODES. JNICATION
Fan 21 A0008 A0008 A009 A009	32 Direction 33 Speed set 34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	1 1 2 3 0082 Direction 1 0083 Speed set 1-10 0084 Fam Reset > 0 0081 Fan Status 2 083 Motor speed 0-200 083 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 1137 Input Jumper/Fire Alarm Contact 1 1138 Fan LOC 0 0085 Fan Mode 2 30 Direction 1 10087 Speed set 1.10	Start Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD output frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Option, have to have humidity sensor option Option, have to have humidity sensor option Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False	ENSURE THAT ALL ELECT MEETS LOCAL ELECTRIC/ 2) RECOMENDED COMML CABLE BELDEN 8723	TRICAL WORK AL CODES. JNICATION
Fan 21 A0008 A0008 A008	32 Direction 33 Speed set 34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	J081 Fan Mode 2 3 3 J082 Direction -1 J083 Speed set 1-10 J084 Fam Reset > 0 J081 Fam Reset > 0 081 Fam Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 1 138 Fan LOC 0 138 Fan Mode 2 00 1 1 0085 Fan Mode -1 0086 Direction -1 0087 Speed set 1.10	Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD Output Frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Option, have to have humidity sensor option Option, have to have humidity sensor option Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False	2) RECOMENDED COMMU CABLE BELDEN 8723	JNICATION
Fan 21 A0008 A0008 A008	33 Speed set 34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	Direction -1 0082 Direction 1 0083 Speed set 1.10 0084 Fam Reset >0 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-50 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 1138 Fan LOC 1 0085 Fan Mode 2 0086 Direction 1 0087 Speed set 1.10	Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Outpt Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Only reset in the case of a fault condition Only reset in the case of a fault condition Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False	CABLE BELDEN 8723	
Fan 21 A0008 A0008 A008	33 Speed set 34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	J082 Direction 1 J083 Speed set 1.10 J084 Fam Reset >0 081 Fan Status 2 081 Fan Status 2 083 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 1137 Input Jumper/Fire Alarm Contact 1 1138 Fan LOC 0 J085 Fan Mode 2 30 Direction 1 J0866 Direction -1 J087 Speed set 1.10	Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False	- 1	RS
Fan 21 A0008 A0008 A0	33 Speed set 34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	Image: speed set 1 0083 Speed set 1-10 0084 Fam Reset > 0 081 Fam Reset > 0 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 138 Fan LOC 1 138 Fan LOC 1 0085 Fan Mode 2 0086 Direction -1 0087 Speed set 1-10	Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False	3) ALL CONDUIT BY OTHE	RS
A0008 Fan 21 A1008: A1008: A1008: A1008: A1008: A1008: A1008: A1008: A1008: A1013: A1013: A1013: A1013: A0008 A0008 A0009 A0009 A0009 A0009 A0092 A0092 A0093	34 Fam Reset 1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	0084 Fam Reset > 0 081 Fan Status 1 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 1138 Fan LOC 1 0085 Fan Mode 1 0086 Direction -1 0087 Speed set 1-10	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication Stop Start	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False		
Fan 21 A1008: A1008: A1008: A1008: A1008: A1013: A1013: A1013: A1013: A1013: A1008: A0008 A0008 A0008 A0008 A1008: A	1 Fan Status 2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	081 Fan Status 1 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 1138 Fan LOC 1 0085 Fan Mode 2 0086 Direction 1 0087 Speed set 1-10	Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False		
A008: A103: A008: A009: A009: </td <td>2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed</td> <td>Fan Status 2 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 1 138 Fan LOC 0 0085 Fan Mode 1 0086 Direction 1 0087 Speed set 1-10</td> <td>Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start</td> <td>Fault Codes listed in Fault code table 0 = False 1 = True 0 = False</td> <td></td> <td></td>	2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	Fan Status 2 081 Fan Status 2 082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 1 138 Fan LOC 0 0085 Fan Mode 1 0086 Direction 1 0087 Speed set 1-10	Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False		
A008: A103: A008: A009: A009: </td <td>2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed</td> <td>Image: Motor speed -200 082 Motor Speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 1 138 Fan LOC 0 100 1 1 1085 Fan Mode 1 2085 Fan Mode -1 30066 Direction -1 10087 Speed set 1.10</td> <td>Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start</td> <td>Fault Codes listed in Fault code table 0 = False 1 = True 0 = False</td> <td></td> <td></td>	2 Motor speed 3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	Image: Motor speed -200 082 Motor Speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 1 138 Fan LOC 0 100 1 1 1085 Fan Mode 1 2085 Fan Mode -1 30066 Direction -1 10087 Speed set 1.10	Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False		
A1008: A1013: A1013: A1013: A1013: A0008 A0099 A0099 A0099 A0091 A0092 A0093 A0094 A0095 A0094 A0095 A0095 A0095	3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	082 Motor speed 0-200 083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 1138 Fan LOC 1 1085 Fan Mode 1 0085 Fan Mode 2 0086 Direction 1 10087 Speed set 1.10	VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False		
A1008: A1013: A1013: A1013: A1013: A0008 A0099 A0099 A0099 A0091 A0092 A0093 A0094 A0095 A0094 A0095 A0095 A0095	3 Motor Current 4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	083 Motor Current 0-5 084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 138 Fan LOC 0 138 Fan LOC 1 00085 Fan Mode 1 01085 Fan Mode 1 02086 Direction 1 02087 Speed set 1.10	frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False	-	
A1008: A10133 A10133 A10133 A0008 A0088 A0099 A0099 A0098 A00	4 Fault Code 7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 5 Fan Meset 5 Fan Status 6 Motor speed	084 Fault Code * 137 Input Jumper/Fire Alarm Contact 0 138 Fan LOC 1 138 Fan LOC 1 0085 Fan Mode 2 0086 Direction 1 0087 Speed set 1.10	See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	0 = False 1 = True 0 = False	-	
Al013 Al013 Al013 Al003 Al004 Al005 Al003 Al004 Al005 Al005 Al006 Al005 Al006 Al006 Al007 Al008 Al009 Al014	7 Input Jumper/Fire Alarm Contact 8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	Oute Funct Code 0 137 Input Jumper/Fire Alarm Contact 1 138 Fan LOC 0 139 Fan LOC 1 0085 Fan Mode 1 0086 Direction 1 0087 Speed set 1-10	Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start	0 = False 1 = True 0 = False	-	
Al0131 Al0031 Al0032 Al0033 Al0034 Al0035 Al0036 Al0037 Al0038 Al0039	8 Fan LOC 35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	137 Input Jumper/Fire Alarm Contact 1 138 Fan LOC 0 139 Fan LOC 1 0085 Fan Mode 1 0086 Direction -1 0087 Speed set 1-10	No Fire Alarm Good communication No communication Stop Start	1 = True 0 = False		
A0008 A008 A009 A00	35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	138 Fan LOC 0 0085 Fan Mode 1 0086 Direction -1 0087 Speed set 1.10	Good communication No communication Stop Start	0 = False	-	
A0008 A008 A009 A00	35 Fan Mode 36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	138 Fan LOC 1 0085 Fan Mode 1 2 3 0086 Direction -1 0087 Speed set 1-10	No communication Stop Start			
Fan 22 A0008 A0009	36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	0085 Fan Mode 0 1 2 3 0086 Direction 1 0087 Speed set 1.10	Stop Start	1-1100	- 1	
Fan 22 A0008 A0009	36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	Fan Mode 1 2 3 0086 Direction 1 1 0087 Speed set	Start		1	
Fan 22 A0008 A0009	36 Direction 37 Speed set 38 Fam Reset 5 Fan Status 6 Motor speed	0085 Fan Mode 2 3 0086 Direction -1 0087 Speed set 1-10			11	
Fan 22 A0008 A0008 A1008 A1008 A1008 A1013 A1013 A1014 A1014 A009 A009 A009 A009 A009 A1009 A1009 A1009 A1009 A1009 A1009	57 Speed set 58 Fam Reset 5 Fan Status 6 Motor speed	3 0086 Direction 1 0087 Speed set 1-10		Option, have to have temp sensor option	11	
Fan 22 A0008 A0008 A1008 A1008 A1008 A1013 A1013 A1014 A1014 A009 A009 A009 A009 A009 A1009 A1009 A1009 A1009 A1009 A1009	57 Speed set 58 Fam Reset 5 Fan Status 6 Motor speed	0086 Direction -1 1 0087 Speed set 1-10	Humidity Run Mode	Option, have to have humidity sensor option]	
Fan 22 A0008 A0008 A1008 A1008 A1008 A1013 A1013 A1014 A1014 A009 A009 A009 A009 A009 A1009 A1009 A1009 A1009 A1009 A1009	57 Speed set 58 Fam Reset 5 Fan Status 6 Motor speed	1 0087 Speed set 1-10	Reverse			
A0008 Fan 22 A10083 A10083 A10083 A10083 A10083 A100141 A10143 A0008 A10093 A0009 A00093 A00093 A10093 A10093 A10093 A10093 A10093 A10144 A10144	38 Fam Reset 5 Fan Status 6 Motor speed		Forward		41	
Fan 22 A10081 A10081 A10081 A10081 A10081 A10141 A10141 A0009 A0009 A1009 A1009 A10141 A10141	5 Fan Status 6 Motor speed		Speed			
Fan 23 A1008 A1008 A1008 A1013 A1014 A0008 A0009 A0009 A0009 A0009 A1004 A1014 A1014 A1014 A1014	6 Motor speed		Fault Reset	Only reset in the case of a fault condition	41	
Fan 23 A1008 A1008 A1008 A1013 A1014 A0008 A0009 A0009 A0009 A0009 A1004 A1014 A1014 A1014 A1014	6 Motor speed	0%5 Eap Status	Drive Running			
A1008 A1013 A10140 A10140 A0009 A0099 A0091 A0092 A0093 A0094 A0095 A0095 A0094	• ·	085 Fan Status 2 4	Forward			
A1008 A1008 A10140 A10140 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A10140 A10000 A10000 A10000 A100	• ·	4	Reverse VFD outpt		11	
A10081 A10131 A10134 A0008 A0009 A0009 A0009 A0009 A0091 A10091 A10092 A10093 A10141	7 Matar C	086 Motor speed 0-200	frequency/RPM	Max frequency can vary based on size of fan		
Al0133 Al0144 A0008 A0009 A0014: A0014:	/ iviotor current		VFD Output Current			
Al0144 A0008 A0009 A0014:	8 Fault Code	088 Fault Code *	See Table	Fault Codes listed in Fault code table		
Fan 23 A10099 A0009 A0009 A0009 A0009 A10099 A10099 A10141 A10141	9 Input Jumper/Fire Alarm Contact	139 Input Jumper/Fire Alarm Contact 0	Fire Alarm Activated	0 = False		
Fan 23 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0009		1	No Fire Alarm	1 = True	-	
Fan 23 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0014	0 Fan LOC	140 Fan LOC 0	Good communication No communication	0 = False	- 1	
Fan 23 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0014		0	Stop	1 = True	11	
Fan 23 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0009 A0014		1	Start		11	
Fan 23 A0009 A0009 A0009 A0009 A0099 A0099 A0099 A0091 A00143	39 Fan Mode	0089 Fan Mode 2	Temp Run Mode	Option, have to have temp sensor option	11	
Fan 23 A0009 A0009 A0009 A0009 A0099 A0099 A0099 A0091 A00143		3	Humidity Run Mode	Option, have to have humidity sensor option]	
Fan 23 A0009 A0009 A0009 A0009 A0099 A0099 A0099 A0091 A00143	0 Direction	0090 Direction -1	Reverse			
A0009 Fan 23 A1008: A1009: A1009: A1009: A1009: A1009: A1009: A1014: A1014:		1	Forward		41	
Fan 23 A10089 A10099 A10099 A10099 A10143 A10143			Speed	Only second in the same of a fault	-11	
A1009 A1009 A1009 A1014 A1014	92 Fam Reset		Fault Reset	Only reset in the case of a fault condition	41	
A1009 A1009 A1009 A1014 A1014	9 Fan Status	089 Fan Status 2	Drive Running Forward	+		
A1009 A1009 A1014 A1014		4	Reverse		11	
A1009 A1009 A1014 A1014			VFD outpt		11	
Al009 Al014: Al014:			frequency/RPM	Max frequency can vary based on size of fan	41	
AI014:			VFD Output Current		-11	
AI014:	2 Fault Code		See Table	Fault Codes listed in Fault code table		
	1 Input Jumper/Fire Alarm Contact	141 Input Jumper/Fire Alarm Contact 0	Fire Alarm Activated No Fire Alarm	0 = False 1 = True		
		0	Good communication	0 = False	11	
A0009	2 Fan LOC	142 Fan LOC 1	No communication	1 = True	11	
A0009		0	Stop]	
AUUUS	Ban Modo	10093 Fan Mode	Start]]	
	93 Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option	_	
		3	Humidity Run Mode	Option, have to have humidity sensor option		
A0009	04 Direction	0094 Direction -1	Reverse		41	
		1	Forward		41	
A0009			Speed	Only reset in the case of a fault condition	- 1	
A0009	Pam Keset		Fault Reset Drive Running	only reset in the case of a fault condition	REVIEW 1	DRAWING
Fan 24 AI0093	3 Fan Status	093 Fan Status 2	Forward		THIS DRAWING IS N	IOT INTENDED FOR
A1003.		4	Reverse	+	CONSTR PLEASE CONSULT WITH F	UCTION.
			VFD outpt		OR PROFF	FESIONAL
A10094			frequency/RPM	Max frequency can vary based on size of fan	ENGINEER FOR ALL AND SPECIFICATIO	L LOADS ANALYSIS
A1009			VFD Output Current			ING CONPURINTY.
A10096	6 Fault Code		See Table	Fault Codes listed in Fault code table	Firm Name and Addres	ss
AI014	3 Input Jumper/Fire Alarm Contact	143 Input Jumper/Fire Alarm Contact	Fire Alarm Activated	0 = False		
			No Fire Alarm Good communication	1 = True 0 = False	by	
AI0144	4 Fan LOC	144 Fan LOC 0	No communication	0 = False 1 = True	-11	
		1	No communication	1-1100	" (ENTRE	MATIC
					1612 Hutton Dr	
					Carrollton,	1 × / 5000
					Drawn By:	Regional Sale Manager:
					CRE	TBD
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General Notes

Revision	Date	Drawn By	Description	Revision	Date	Reference	Description
А	01/22/2019	CRE	INITIAL DRAWING				
в	06/06/2019	CRE	ADDED BACNET CONNECTION				
с	04/06/2020	CRE	Updated BACNET address tables				

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
	AO1001	Forward Start SP	> 0	Temperature SP to Start in Forward	Scaled by 10, so write 800 to get a value of 80
	AO1002	Reverse Start SP		Temperature SP to Start in	
			> 0	Reverse	Scaled by 10, so write 300 to get a value of 30
Temp1	AO1003	Forward increment SP	> 0	Temperature FWD Inc	Scaled by 10, so write 300 to get a value of 30
	AO1004	Reverse increment SP	> 0	Temperature REV Inc	Scaled by 10, so write 300 to get a value of 30
	AI1001	Scaled Temperature	##	Temperature FB	
	AI1011	Temperature/Humidity Sensor	0	Good communication	0 = False
		LOC	1	No communication	1 = True
	AO1005	Forward Start SP	> 0	Temperature SP to Start in Forward	Scaled by 10, so write 800 to get a value of 80
	AO1006	Reverse Start SP	> 0	Temperature SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 30
Temp2	AO1007	Forward increment SP	> 0	Temperature FWD Inc	Scaled by 10, so write 300 to get a value of 30
•	AO1008	Reverse increment SP	> 0	Temperature REV Inc	Scaled by 10, so write 300 to get a value of 30
	AI1002	Scaled Temperature	##	Temperature FB	
	AI1012	Temperature/Humidity Sensor	0	Good communication	0 = False
	AIIUIZ	LOC	1	No communication	1 = True
	AO1009	Forward Start SP	> 0	Temperature SP to Start in Forward	Scaled by 10, so write 800 to get a value of 80
	AO1010	Reverse Start SP	> 0	Temperature SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 30
Tome?	AO1011	Forward increment SP	> 0	Temperature FWD Inc	Scaled by 10, so write 300 to get a value of 30
Temp3	AO1012	Reverse increment SP	> 0	Temperature REV Inc	Scaled by 10, so write 300 to get a value of 30
	AI1003	Scaled Temperature	##	Temperature FB	
		•	0	Good communication	0 = False
	AI1013	Temperature/Humidity Sensor LOC	1	No communication	1 = True
	AO1013	Forward Start SP	>0	Temperature SP to Start in Forward	Scaled by 10, so write 800 to get a value of 80
	AO1014	Reverse Start SP	>0	Temperature SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 30
	401015	Forward incroment SD		Temperature FWD Inc	Scaled by 10, so write 300 to get a value of 30
Temp4	A01015	Forward increment SP	> 0	Temperature REV Inc	Scaled by 10, so write 300 to get a value of 30
	AO1016	Reverse increment SP	> 0	•	Scaled by 10, so write 300 to get a value of 3
	AI1004	Scaled Temperature	##	Temperature FB	
	AI1014	Temperature/Humidity Sensor	0	Good communication	0 = False
		LOC	1	No communication	1 = True
	AO1017	Forward Start SP	> 0	Humidity SP to Start in Forward	Scaled by 10, so write 800 to get a value of 80
	AO1018	Reverse Start SP	> 0	Humidity SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 30
Humid1	AO1019	Forward increment SP	> 0	Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 30
	AO1020	Reverse increment SP	> 0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 30
	AI1005	Humidity	##	Humidity FB	
	AO1021	Forward Start SP	> 0	Humidity SP to Start in Forward	Scaled by 10, so write 800 to get a value of 8
	AO1022	Reverse Start SP	> 0	Humidity SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 3
Humid2	AO1023	Forward increment SP	> 0	Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 3
	AO1024	Reverse increment SP	> 0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 3
	AI1006	Humidity	##	Humidity FB	
	AO1025	Forward Start SP	> 0	Humidity SP to Start in Forward	Scaled by 10, so write 800 to get a value of 8
	AO1026	Reverse Start SP	> 0	Humidity SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 3
Humid3	A01027	Forward increment SP	>0	Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 3
	A01027	Reverse increment SP	>0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 3
	A01028 Al1007	Humidity		Humidity FB	
	A01029		##	Humidity SP to Start in Forward	Scaled by 10, so write 800 to get a value of 8
		Forward Start SP	> 0	· ·	, .
	AO1030	Reverse Start SP	> 0	Humidity SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 3
Humid4	AO1031	Forward increment SP	> 0	Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 3
	AO1032	Reverse increment SP	> 0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 3
	AI1008	Humidity	##	Humidity FB	
	AO1033	Wind Set Point	5-15	Set Point to shut off fans	5-15 MPH
	AO1034	Time	1-20	Seconds before shut off	Time above set point before shutoff
	AO1035	Restart Time	>60	Seconds before restart	Time below set point before restart
Wind	AI1009	Scaled Wind Speed	##	Wind Speed	Displayed in the selected units
	AI1010	Direction	##	Wind Direction	0.5.1
	AI1015	Wind Sensor LOC	0	Good communication	0 = False
			1	No communication	1 = True
	AI1016	Fire Alarm Contact	0	Fire Alarm Activated	0 = False
e Control Panel			1	No Fire Alarm	1 = True
	AI1017	Fire Alarm Panel LOC	0	Good communication	0 = False
	/1101/	THE Marn Paller LUC	1	No communication	1 = True

	DATA	DECIMAL VALUE	PANEL INDICATION	DESCRIPTION					
	H10	16	E.OC1	OVERCURRENT TRIP DURING ACCELERATI					
	H11	17	E.OC2	OVERCURRENT TRIP DURING CONSTANT SPEED					
	H12	18	E.OC3	OVERCURRENT TRIP DURING DECELERATION OR S					
	H20	32	E.OV1	REGENERATIVE OVERVOLTAGE TRIP DURING ACCELER					
	H21	33	E.OV2	REGENERATIVE OVERVOLTAGE TRIP DURING CONSTAN					
	H22	34	E.OV3	REGENERATIVE OVERVOLTAGE TRIP DURING DECELERATION					
	H30	48	E.THT	INVERTER OVERLOAD TRIP (ELECTRONIC THERMAL RELAY					
	H31	49	E.THM	MOTOR OVERLOAD TRIP (ELECTRONIC THERMAL RELAY F					
	H40	64	E.FIN	FIN OVERHEAT					
	H52	82	E.ILF	INPUT PHASE LOSS					
	H60	96	E.OLT	STALL PREVENTION					

	DATA	DESCRIPTION					
	0	NO ALARM/FAN OK					
	1	SHORT CIRCUIT					
	2	CURRENT LIMIT					
	3	CURRENT LIMIT TRIP					
	4	UNDER VOLTAGE TRIP					
	6	OVER VOLTAGE TRIP					
	8	STOP MODE					
	9	FLASH ERROR					
	13	WATCHDOG ERROR					
	22	COMMUNICATION WATCHDOG ERROR					

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	Drawn By:	Regional Sale Manager:
	CRE	TBD Drawing Number:
	04/06/2020	6021616S
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