

ADDED BACNET CONNECTION

Updated BACNET address tables

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NOTES:

1) BUILDING STRUCTURE MUST BE SUFFICIENT TO SUPPORT THE FAN INSTALLATION. CONSULT A REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER

2) ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL ELECTRICAL WORK MEETS LOCAL ELECTRICAL CODES.

3) GENERAL CONTRACTOR SHALL ENSURE EQUIPMENT INSTALLATION MEETS ALL APPLICABLE BUILDING

4) STANDARD MOUNT ACCOMMODATES 4) STANDARD MOUNT ACCOMMODAT I-BEAM INSTALLATION. FOR GLULAMWOOD BEAM, Z-PURLIN OR TRUSS BRIDGES PLEASE NOTE ON

5) THE VED ENCLOSURE MUST BE

6) MULTI-FAN INSTALLATION INCLUDES ONE TOUCHSCREEN HMI KIT.

7) NOTE: THE INSTALLATION OF HVLS FANS IN **BUILDINGS EQUIPPED WITH** SPRINKLERS, INCLUDING "ESFR"
SPRINKLERS, SHALL COMPLY WITH
THE FOLLOWING:

(A) THE HVLS FAN SHALL BE (A) THE HIVES FAN SHALL BE CENTERED APPROXIMATELY BETWEEN FOUR ADJACENT SPRINKLERS. (B) THE VERTICAL CLEARANCE FROM THE HIVES FAN TO THE SPRINKLER DEFLECTOR SHALL BE A MINIMUM OF 3

TT (0.9M).

(C) ALL HVLS FANS SHALL BE
INTERLOCKED TO SHUT DOWN
IMMEDIATELY UPON RECEIVING A
WATERFLOW SIGNAL FROM THE ALARM SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 72.

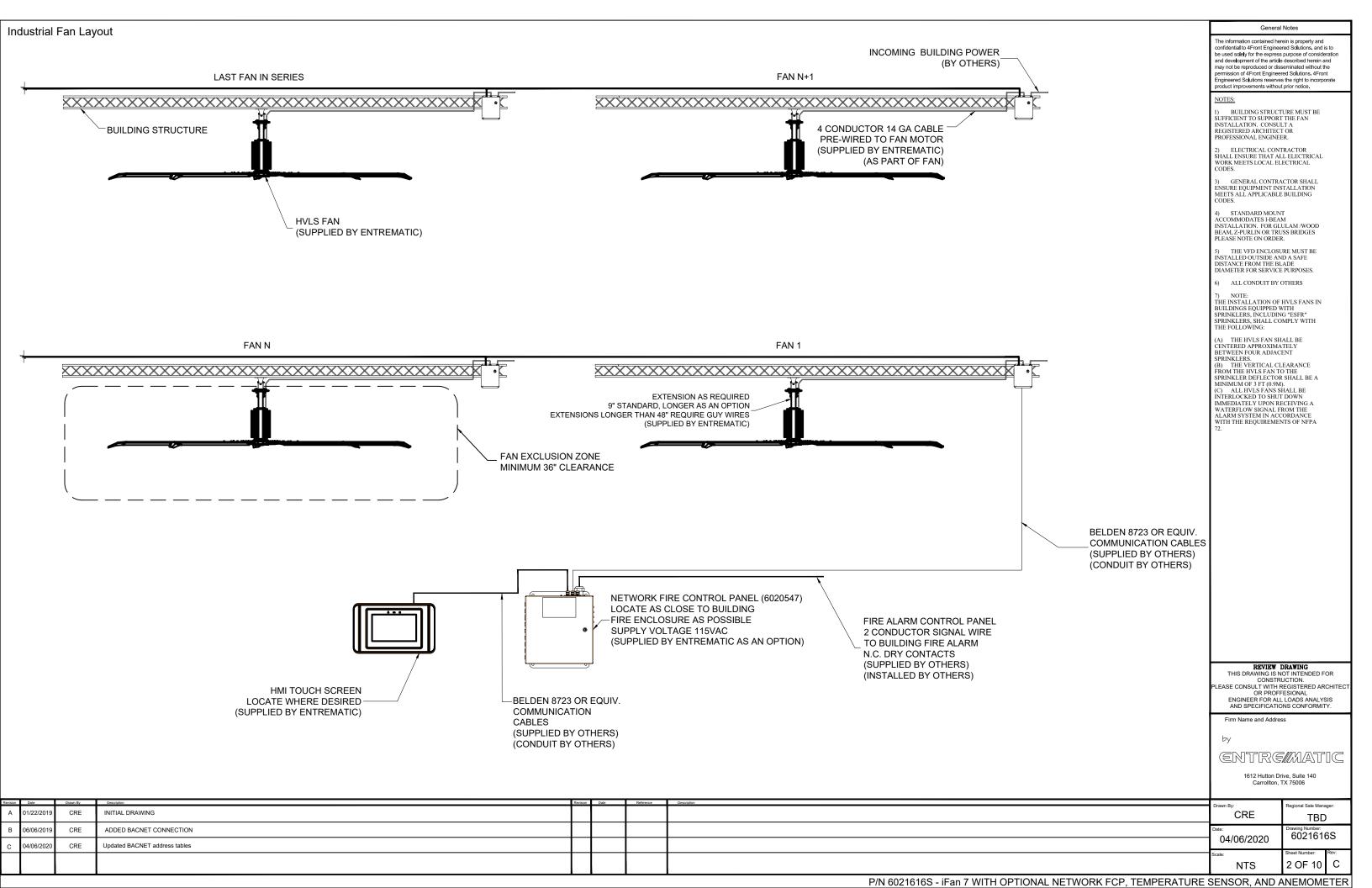
Firm Name and Address

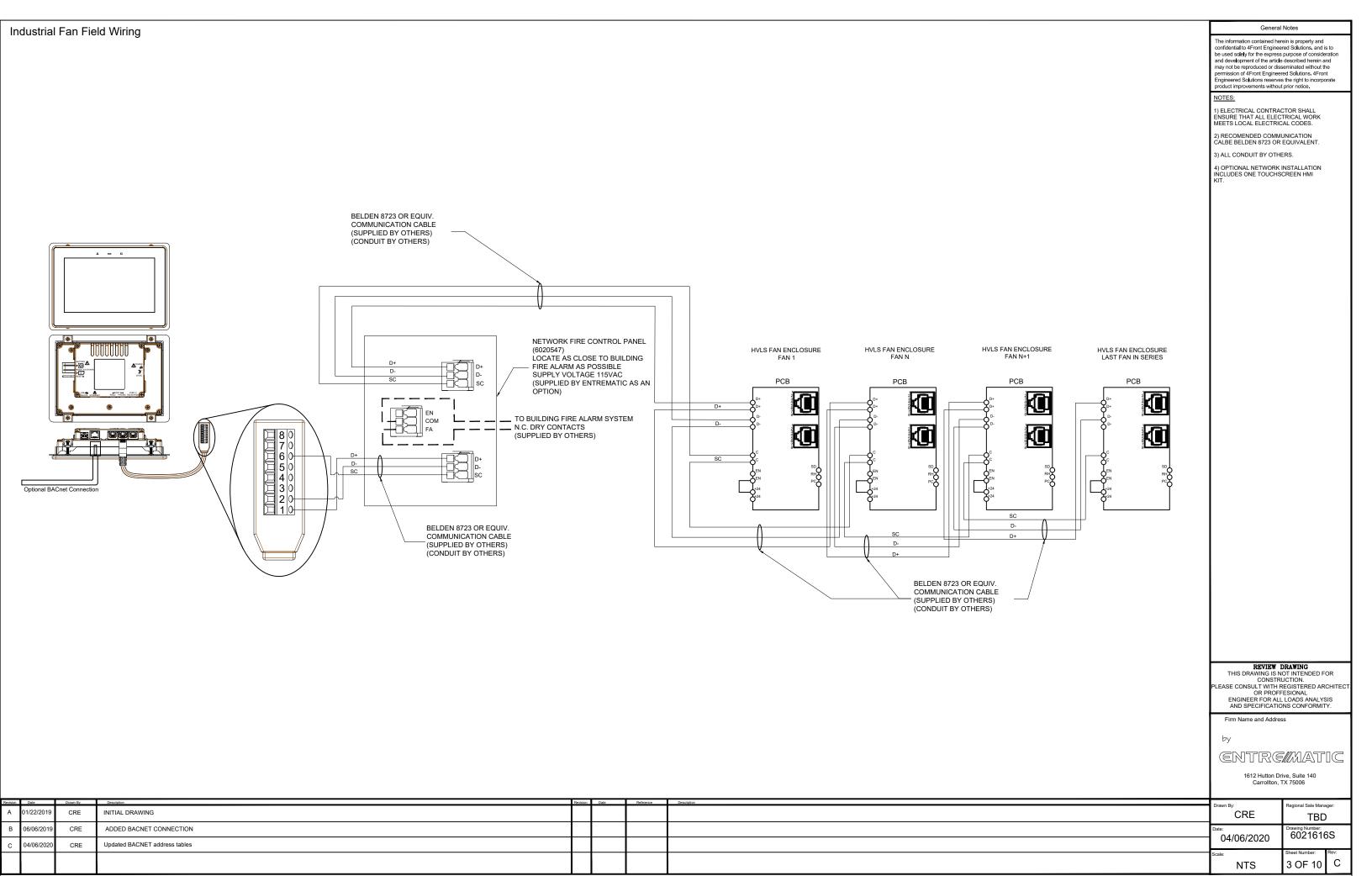
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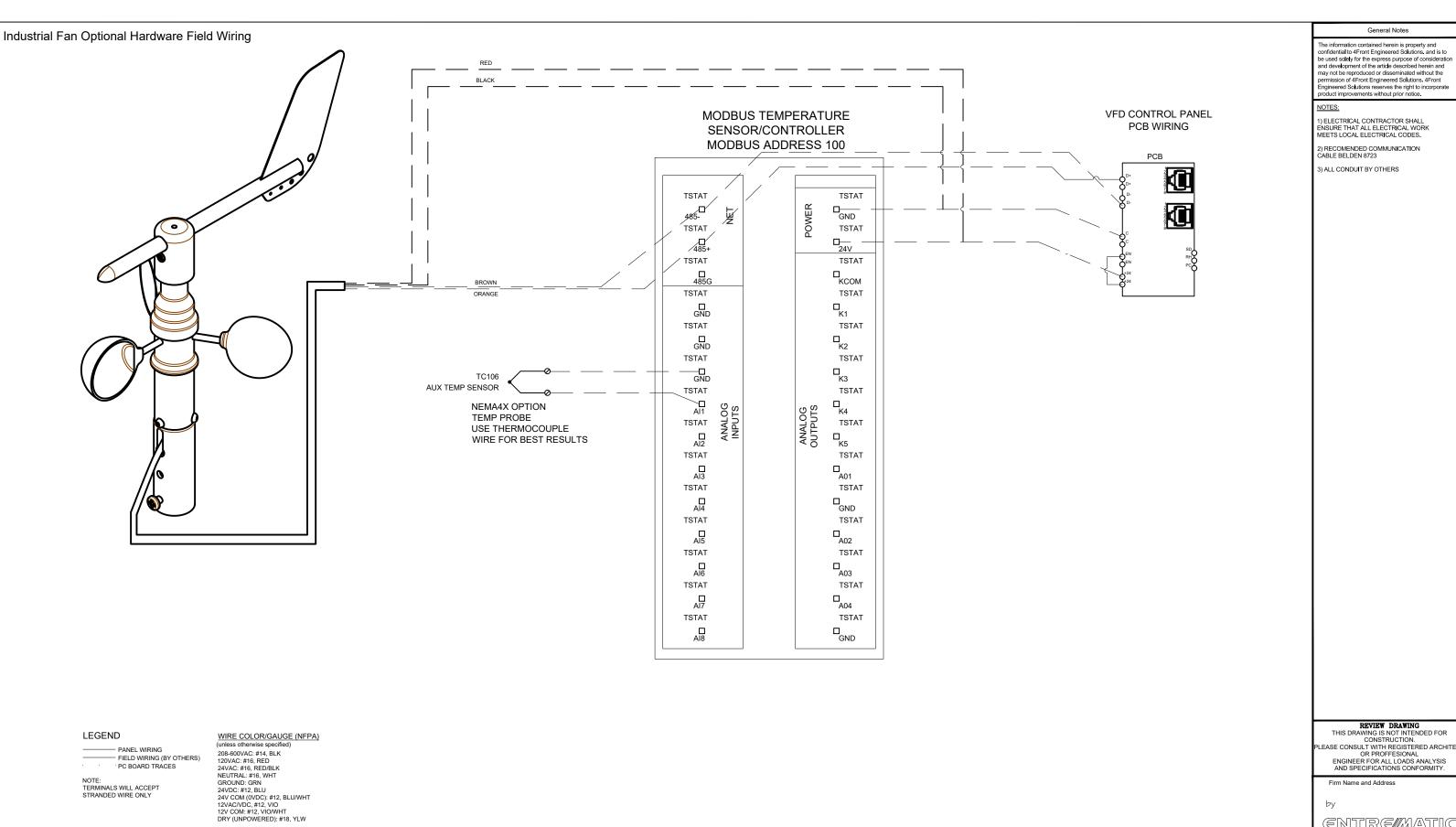
ENTRE/MATIC

1612 Hutton Drive, Suite 140 Carrollton, TX 75006

6021616S 04/06/2020







REVIEW DRAWING

General Notes

REVIEW DRAWING
THIS DRAWING IS NOT INTENDED FOR
CONSTRUCTION.
PLEASE CONSULT WITH REGISTERED ARCHITEC'
OR PROFFESIONAL
ENGINEER FOR ALL LOADS ANALYSIS
AND SPECIFICATIONS CONFORMITY.

ENTREMATIC

1612 Hutton Drive, Suite 140 Carrollton, TX 75006

CRE TBD 04/06/2020

6021616S 6 OF 10 C

CRE INITIAL DRAWING CRE ADDED BACNET CONNECTION Updated BACNET address tables 04/06/2020 CRE

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
			1	Start	
	AO0001	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
		l i	3	Humidity Run Mode	Option, have to have humidity sensor option
			-1	Reverse	
	AO0002	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	
			4	Reverse	
				VFD outpt	
	AI0002	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0003	Motor Current	0-5	VFD Output Current	
	AI0004	Fault Code	*	See Table	Fault Codes listed in Fault code table
	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 Stop	1 = True
			0	Start	
	AO0005	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	option, have to have hammarly sensor option
	AO0006	Direction	1	Forward	
	AO0007	Speed set	1-10	Speed	
	AO0008	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
	7100000	ramneset	1	Drive Running	
Fan 2	AI0005	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
	AI0099	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
	A10099	input sumper/rine Alarm contact	1	No Fire Alarm	1 = True
	AI00100	Fan LOC	0	Good communication	0 = False
	71100100	1411200	1	No communication	1 = True
			0	Stop	
	AO0009	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
	AO0010	Direction	-1	Reverse	
		Constant	1	Forward	
	AO0011 AO0012	Speed set Fam Reset	1-10	Speed	Only reset in the case of a fault condition
	AU0012	ram keset	>0	Fault Reset Drive Running	Only reset in the case of a fault condition
Fan 3	AI0009	Fon Status	1		
	A10009	Fan Status	4	Forward Reverse	
			4	VFD outpt	
	AI0010	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0011	Motor Current	0-5	VFD Output Current	
	AI0012	Fault Code	*	See Table	Fault Codes listed in Fault code table
	AI0101	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
	AlOIOI	input sumper/rine Alaim Contact	1	No Fire Alarm	1 = True
	AI0102	Fan LOC	0	Good communication	0 = False
	7110102	1011200	1	No communication	1 = True
			0	Stop	
	AO0013	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
	A00014	Direction	-1	Reverse	
			1	Forward	
	A00015	Speed set	1-10	Speed	
	A00016	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
Fan 4	410010	For Co.	1	Drive Running	
rail 4	AI0013	Fan Status	2	Forward	
			4	Reverse VFD outpt	
	AI0014	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0014	Motor Current	0-5	VFD Output Current	, , , , , , , , , , , , , , , , , , , ,
	AI0016	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0103	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
	410404	F	0	Good communication	0 = False
	AI0104	Fan LOC	1	No communication	1 = True

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
	_		0	Stop	
	AO0017	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
	A C C C C C C C C C C C C C C C C C C C	Direction	-1	Reverse	
	AO0018	Direction	1	Forward	
	AO0019	Speed set	1-10	Speed	
	AO0020	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
Fan 5	7100020	Tom Neset	1	Drive Running	,
	AI0017	Fan Status		Forward	
	Alouir	raii status	2		+
			4	Reverse	
	AI0018	Motor speed	0-200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	-		0-200	VFD Output Current	max medaciney can vary based on size or fair
	AI0019	Motor 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 1	1	No Fire Alarm	1 = True
	AI0106	Fan LOC	0	Good communication	0 = False
	7110200	1411200	1	No communication	1 = True
			0	Stop	
			1	Start	
	AO0021	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
	I		3	Humidity Run Mode	Option, have to have humidity sensor option
			-1	Reverse	
	AO0022	Direction			
	AO0023	Speed set	1 10	Forward Speed	
		·	1-10		
	AO0024	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 6	AI0021	Fan Status	2	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
			0	Fire Alarm Activated	0 = False
	AI0107	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI0108	Fan LOC	1	No communication	1 = True
				Stop	1 - 11de
	AO0025	Fan Mode	0	<u> </u>	
			1	Start	
			2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0026	Direction	-1	Reverse	
		Sirection	1	Forward	
	AO0027	Speed set	1-10	Speed	
	A00008	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 7	AI0025	Fan Status	2	Forward	
	7110023	Tan States	4	 	+
			4	Reverse VFD outpt	
	AI0026	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	A10026		0-200	VFD Output Current	, , , , , , , , , , , , , , , , , , , ,
		Motor Current	0-5		Foult Codes listed in Facility
	AI0028	Fault Code		See Table	Fault Codes listed in Fault code table
	AI0109	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
	AI0110	Fan LOC	0	Good communication	0 = False
	Alotto	TailEOC	1	No communication	1 = True
			0	Stop	
	I .		1	Start	
	AO0029	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
	I		3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0030	Direction	-1	Reverse	
			1	Forward	
	AO0031	Speed set	1-10	Speed	
	AO0032	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 8	AI0029	Fan Status	2	Forward	
	I		4	Reverse	
			-	VFD outpt	
	AI0030	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0030	Motor Current	0-200	VFD Output Current	1
			U-5 *		Fault Codes listed in Fault and stall
	AI0032	Fault Code		See Table	Fault Codes listed in Fault code table
	AI0111	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
		Fan LOC	0	Good communication	0 = False
	AI0112				

	BACnet Address	Register Description	Expected Data	Result/Status	Notes
- 1			0	Stop	
	AO0033 Fan Mode		1	Start	
- 1	A00033	1 all Mode	2	Temp Run Mode	Option, have to have temp sensor option
- 1	ı		3	Humidity Run Mode	Option, have to have humidity sensor option
ı	10000	Disc. of	-1	Reverse	
l	AO0034	Direction	1	Forward	
T I	AO0035	Speed set	1-10	Speed	
H	AO0036	Fam Reset			Only reset in the case of a fault condition
- 1	A00030	ranneset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 9	AI0033	Fan Status	2	Forward	
Į.			4	Reverse	
				VFD outpt	L
- 1	AI0034	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
l.	AI0035	Motor Current	0-5	VFD Output Current	
l	AI0036	Fault Code	*	See Table	Fault Codes listed in Fault code table
	AI0112	Innut Iumner/Fire Alexan Centert	0	Fire Alarm Activated	0 = False
	AI0113	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
1			0	Good communication	0 = False
	AI0114	Fan LOC	1	No communication	1 = True
-				Stop	1
- 1			0	· ·	
- 1	AO0037	Fan Mode	1	Start	Continue to tour to
-			2	Temp Run Mode	Option, have to have temp sensor option
l			3	Humidity Run Mode	Option, have to have humidity sensor option
Γ	A00038	Direction	-1	Reverse	
l l	A00036	Direction	1	Forward	
ı	AO0039	Speed set	1-10	Speed	
ı	AO0040	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
H			1	Drive Running	
Fan 10	AI0037	Fan Status	2	 	1
	A10037	i un status		Forward	
Ļ			4	Reverse	
I	410030	Motor speed	0.200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
ŀ	A10038		0-200	VFD Output Current	max requeries can vary based on size of fall
ŀ	AI0039	Motor Current	0-5		
ļ	AI0040	Fault Code	*	See Table	Fault Codes listed in Fault code table
- 1	AI0115	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
I	710113		1	No Fire Alarm	1 = True
Ī	410445	5100	0	Good communication	0 = False
I	AI0116	Fan LOC	1	No communication	1 = True
- 1			0	Stop	
	AO0041	Fan Mode	1	Start	
				Temp Run Mode	Option, have to have temp sensor option
			2	-	
- 1			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0042	Direction	-1	Reverse	
- 1			1	Forward	
	AO0043	Speed set			
[7100015	Specu set	1-10	Speed	
·	A00044	Fam Reset	1-10 > 0	Speed Fault Reset	Only reset in the case of a fault condition
				-	Only reset in the case of a fault condition
Fan 11	AO0044	Fam Reset	> 0 1	Fault Reset Drive Running	Only reset in the case of a fault condition
an 11			> 0 1 2	Fault Reset Drive Running Forward	Only reset in the case of a fault condition
Fan 11	AO0044	Fam Reset	> 0 1	Fault Reset Drive Running Forward Reverse	Only reset in the case of a fault condition
Fan 11	A00044 Al0041	Fam Reset Fan Status	>0 1 2 4	Fault Reset Drive Running Forward Reverse VFD outpt	
an 11	A00044 Al0041 Al0042	Fam Reset Fan Status Motor speed	> 0 1 2 4	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM	
Fan 11	A00044 Al0041 Al0042 Al0043	Fam Reset Fan Status Motor speed Motor Current	> 0 1 2 4 0-200 0-5	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current	Max frequency can vary based on size of fan
Fan 11	A00044 Al0041 Al0042	Fam Reset Fan Status Motor speed	> 0 1 2 4 0-200 0-5	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table	Max frequency can vary based on size of fan Fault Codes listed in Fault code table
an 11	A00044 A10041 A10042 A10043 A10044	Fam Reset Fan Status Motor speed Motor Current Fault Code	> 0 1 2 4 0-200 0-5 *	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False
an 11	A00044 Al0041 Al0042 Al0043	Fam Reset Fan Status Motor speed Motor Current	> 0 1 2 4 0-200 0-5	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table	Max frequency can vary based on size of fan Fault Codes listed in Fault code table
Fan 11	A00044 A10041 A10042 A10043 A10044 A10117	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact	> 0 1 2 4 0-200 0-5 *	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False
ian 11	A00044 A10041 A10042 A10043 A10044	Fam Reset Fan Status Motor speed Motor Current Fault Code	> 0 1 2 4 0-200 0-5 * 0 1	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False
an 11	A00044 A10041 A10042 A10043 A10044 A10117	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact	>0 1 2 4 0-200 0-5 * 0 1	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	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True
an 11	A00044 A10041 A10042 A10043 A10044 A10117	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact	>0 1 2 4 0-200 0-5 * 0 1 0	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	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False
an 11	A00044 A10041 A10042 A10043 A10044 A10117	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact	>0 1 2 4 0-200 0-5 * 0 1 0 1	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 = True
an 11	A00044 A10041 A10042 A10043 A10044 A10117	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	>0 1 2 4 0-200 0-5 * 0 1 0 1 0	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 Temp Run Mode	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
an 11	A00044 A10041 A10042 A10043 A10044 A10117	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 2 3	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 = True Option, have to have temp sensor option
an 11	A00044 A10041 A10042 A10043 A10044 A10117 A10118	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode	>0 1 2 4 0-200 0-5 * 0 1 0 1 0	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 Temp Run Mode	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
an 11	A00044 A10041 A10042 A10043 A10044 A10117	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 2 3	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 Temp Run Mode Humidity Run Mode	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
an 11	A00044 A10041 A10042 A10043 A10044 A10117 A10118	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1	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 Temp Run Mode Humidity Run Mode Reverse	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
Fan 11	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00046 A00047	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set	>0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1 1 1-10	Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Good communication No communication Stop Start Temp Run Mode Humidity Run Mode Reverse Forward Speed	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option Option, have to have humidity sensor option
Fan 11	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction	>0 1 2 4 0-200 0-5 * 0 1 1 0 1 2 3 -1 1-10 >0	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00045	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 1 0 1 1 0 1 1 >0 1 1 1 1 1-10 >0 1	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option Option, have to have humidity sensor option
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00046 A00047	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1 1-10 >0 1	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option Option, have to have humidity sensor option
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00045	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 1 0 1 1 0 1 1 >0 1 1 1 1 1-10 >0 1	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option Option, have to have humidity sensor option
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00045 A00047 A00048 A10045	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 1 0 1 1 2 3 -1 1 1-10 >0 1 2 4	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option Option, have to have humidity sensor option Only reset in the case of a fault condition
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00045	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1 1-10 >0 1	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option Option, have to have humidity sensor option
Fan 11	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00045 A00047 A00048 A10045	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 1 0 1 1 2 3 -1 1 1-10 >0 1 2 4	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option Option, have to have humidity sensor option Only reset in the case of a fault condition
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00045 A00047 A00048 A10045	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status Motor speed	>0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 1 2 3 -1 1 1-10 >0 1 2 4 0-200	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option Option, have to have humidity sensor option Only reset in the case of a fault condition
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00045 A00047 A00048 A10046 A10047 A10048	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code	>0 1 2 4 0-200 0-5 * 0 1 1 0 1 1 0 1 1 2 3 -1 1-10 >0 1 2 4 0-200 0-5 *	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True 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
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00046 A00047 A00048 A10045 A10046 A10047	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fam Status Motor speed Motor Speed	>0 1 2 4 0-200 0-5 * 0 1 1 0 1 1 0 1 1 2 3 -1 1 1-10 >0 1 2 4 0-200 0-5 * 0 0	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 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	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True 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
	A00044 A10041 A10042 A10043 A10044 A10117 A10118 A00045 A00045 A00047 A00048 A10046 A10047 A10048	Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code	>0 1 2 4 0-200 0-5 * 0 1 1 0 1 1 0 1 1 2 3 -1 1-10 >0 1 2 4 0-200 0-5 *	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True 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

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) RECOMENDED COMMUNICATION ABLE BELDEN 8723

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OR PROFFESIONAL
ENGINEER FOR ALL LOADS ANALYSIS
AND SPECIFICATIONS CONFORMITY.

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1612 Hutton Drive, Suite 140 Carrollton, TX 75006

	01/22/2019	CRE	INITIAL DRAWING		CRE	Regional Sale Manager:	
В	06/06/2019	CRE	ADDED BACNET CONNECTION		Date:	Drawing Number:	
С	04/06/2020	CRE	Updated BACNET address tables		04/06/2020	6021616S	_
					Scale: NTS	8 OF 10 C	

Fan BACnet Address

AO0049

AO0050

AO0051

AI0049

AI0050

AI0051

AI0121

AI0122

AO0053

AO0054

A00055

AO0056

AI0053

AI0054 AI0055

AI0056

AI0123

AI0124

AO0057

AO0058

ΔΩ0059

AO0060

AI0057

AI0058

AI0059

AI0060

AI0125

AI0126

AO0061

AO0062

A00063

AO0064

AI0061

AI0062

AI0063

AI0064

AI0127

AI0128

Fan 16

Fan 13

Fan 14

Fan Mode

Direction

Speed set

Fan Status

Motor speed

Motor Current

put Jumper/Fire Alarm Con

Fan Mode

Direction

Speed set

Fam Reset

Fan Status

Motor speed

Motor Current

Fault Code

nput Jumper/Fire Alarm Conta

Fan LOC

Fan Mode

Direction

Speed set

Fam Reset

Fan Status

Motor speed

Motor Current

Fault Code

nout Jumper/Fire Alarm Conta

Fan LOC

Fan Mode

Direction

Speed set

Fam Reset

Fan Status

Motor speed

Motor Current

Fault Code

nput Jumper/Fire Alarm Contac

Fan LOC

Forward

Fault Reset

Forward VFD outpt frequency/RPM

Drive Running

VFD Output Current See Table

Fire Alarm Activated

No communication

Temp Run Mode

Forward

Fault Reset Drive Running

Forward

See Table

No Fire Alarm

VFD Output Current

Fire Alarm Activated

Good communication

No communication

Humidity Run Mode

Fault Reset Drive Running

Forward

See Table

No Fire Alarm

frequency/RPM

Fire Alarm Activated

Good communication

Temp Run Mode

Fault Reset

Forward VFD outpt frequency/RPM

Drive Running

VFD Output Current See Table

Fire Alarm Activated

No Fire Alarm

Humidity Run Mode

Humidity Run Mode

No Fire Alarm Good communication

1-10 > 0

0-200

0-5

0-5

1-10

0-200

0-5

1-10

> 0

0-200

0-5

Option, have to have temp sensor option

Inly reset in the case of a fault condition

lax frequency can vary based on size of fan

Fault Codes listed in Fault code table

Option, have to have temp sensor option

nly reset in the case of a fault condition

1ax frequency can vary based on size of fan

ault Codes listed in Fault code table

otion, have to have temp 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

Option, have to have temp sensor option

Option, have to have humidity sensor option

Only reset in the case of a fault condition

lax frequency can vary based on size of fan

Fault Codes listed in Fault code table

option, have to have humidity sensor option

Option, have to have humidity sensor option

0 = False

1 = True

0 = False

= True

0 = False

= True

0 = False

= True = False

= True

0 = False

= False

Genera	al Note	es
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Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
	AO0065	Fan Mode	1	Start	
	7,00003	Tun 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	
	100007	Connections	1	Forward	
	A00067	Speed set	1-10	Speed	Only worst in the same of a fault and distant
	AO0068	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
Fan 17			1	Drive Running	
raii 17	AI0065	Fan Status	2	Forward	
			4	Reverse VFD outpt	
	AI0066	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
			0	Fire Alarm Activated	0 = False
	AI0129	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI0130	Fan LOC	1	No communication	1 = True
			0	Stop	
			1	Start	
	AO0069	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
	1		3	Humidity Run Mode	Option, have to have humidity sensor option
	400000	Disc. if	-1	Reverse	
	AO0070	Direction	1	Forward	
	AO0071	Speed set	1-10	Speed	
	AO0072	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
an 18	AI0069	Fan Status	2	Forward	
			4	Reverse	
				VFD outpt	
	AI0070	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0071	Motor Current	0-5	VFD Output Current	
	AI0072	Fault Code	*	See Table	Fault Codes listed in Fault code table
	AI0131	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
		, , , , , , , , , , , , , , , , , , ,	1	No Fire Alarm	1 = True
	AI0132	Fan LOC	0	Good communication	0 = False
			1	No communication	1 = True
		•	0	Stop	
	AO0073	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
	AO0074	Direction	-1	Reverse	
			1	Forward	
	A00075	Speed set	1-10	Speed	
	AO0076	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
10			1	Drive Running	
an 19	AI0073	Fan Status	2	Forward	
			4	Reverse	
	AI0074	Motor speed	0-200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	AI0074 AI0075	Motor Current	0-200	VFD Output Current	The decise of tary based on size of fair
	AI0075	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0133	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI0134	Fan LOC	1	No communication	4 T
			0	Stop	I = True
			1	Start	
	AO0077	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	
	A00079	Speed set	1-10	Speed	
	A00079	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
	A00000	i am neset	1	Drive Running	, resecutive case of a fadic condition
an 20	AI0077	Fan Status	2	Forward	
	1 510077	i an Jiaius	4		
u 20			4	Reverse VFD outpt	
	AI0078	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
		Motor Current	0-5	VFD Output Current	
20	AI0079			See Table	Fault Codes listed in Fault code table
		Fault Code	*		
	AI0079 AI0080	Fault Code	0		0 = False
20	AI0079			Fire Alarm Activated	0 = False 1 = True
	AI0079 AI0080	Fault Code	0		

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
	AO0081	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
	AO0082	Direction	-1	Reverse	
	A00002	Birection	1	Forward	
	AO0083	Speed set	1-10	Speed	
	A00084	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
an 21	AI0081	Fan Status	2	Forward	
			4	Reverse	
				VFD outpt	
	AI0082	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0083	Motor Current	0-5	VFD Output Current	
	AI0084	Fault Code	*	See Table	Fault Codes listed in Fault code table
	7110004	Tuuit couc	0	Fire Alarm Activated	0 = False
	AI0137	Input Jumper/Fire Alarm Contact	1		
				No Fire Alarm	1 = True
	AI0138	Fan LOC	0	Good communication	0 = False
			1	No communication	1 = True
			0	Stop	
	AO0085	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
	A00006	Direction	-1	Reverse	
	AO0086	Direction	1	Forward	
	AO0087	Speed set	1-10	Speed	
	A00088	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
		Neset	1	Drive Running	,
an 22	AI0085	Fan Status	2		+
	Aloues	raii status		Forward	
			4	Reverse VFD outpt	
	A1000C	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	A10086		0-200	VFD Output Current	max requeries can vary based on size or ran
	AI0087	Motor Current	U-5 *		
	AI0088	Fault Code		See Table	Fault Codes listed in Fault code table
	AI0139	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
		,	1	No Fire Alarm	1 = True
	AI0140	Fan LOC	0	Good communication	0 = False
	A10140	Fall EOC	1	No communication	1 = True
			0	Stop	
	A00089	Fon Mada	1	Start	
	AO0089	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	
	AO0090	Direction	1	Forward	
	AO0091	Speed set	1-10	Speed	
	AO0091	Fam Reset			Only reset in the case of a fault condition
	AU0092	raili keset	> 0	Fault Reset	Only reset in the case of a fault condition
22			1	Drive Running	
an 23	AI0089	Fan Status	2	Forward	
			4	Reverse	
				VFD outpt	
	AI0090	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0091	Motor Current	0-5	VFD Output Current	
	AI0092	Fault Code	*	See Table	Fault Codes listed in Fault code table
	AI0141	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
	AI0141	pac sumper/ me Marin Contdit	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI0142	Fan LOC	1	No communication	1 = True
			0	Stop	
			1		
	AO0093	Fan Mode		Start Temp Run Mode	Option, have to have temp sensor option
			2	Humidity Run Mode	Option, have to have humidity sensor option
			3	· ·	Option, have to have numidity sensor option
	AO0094	Direction	-1	Reverse	
			1	Forward	
	AO0095	Speed set	1-10	Speed	
	AO0096	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
an 24	AI0093	Fan Status	2	Forward	
			4	Reverse	
			7	VFD outpt	
	AI0094	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0095	Motor Current	0-5	VFD Output Current	
	AI0095 AI0096		U-5 *		Fault Codes listed in Fault code table
	AIUU9b	Fault Code		See Table	
	AI0143	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
	AI0144	Fan LOC	0	Good communication	0 = False
			1		1 = True

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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Revision	Date	Diawii by	Description	REVISION	Date	Releience	Description	Drawn By:	Regional Sale Manager:
C 04/06/2020 CRE Updated BACNET address tables 6021616S Scale: Sheet Number: Rev:	Α	01/22/2019	CRE	INITIAL DRAWING						5
C 04/06/2020 CRE Updated BACNET address tables Scale: Sheet Number: Rev:	В	6/06/2019	CRE	ADDED BACNET CONNECTION					Date:	Drawing Number:
	С	04/06/2020	CRE	Updated BACNET address tables					04/06/2020	
									Scale: NTS	0 OE 10 C

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
1011	AO1001	Forward Start SP		Temperature SP to Start in	
			> 0	Forward Temperature SP to Start in	Scaled by 10, so write 800 to get a value of 80
	AO1002	Reverse Start SP	> 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
		-22	1	No communication Temperature SP to Start in	1 = True
	AO1005	Forward Start SP	> 0	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
	AO1007	Forward increment SP	>0	Temperature FWD Inc	Scaled by 10, so write 300 to get a value of 30
Temp2	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	
	A11012	Temperature/Humidity Sensor	0	Good communication	0 = False
	AI1012	Loc	1	No communication	1 = True
	AO1009	Forward Start SP	. 0	Temperature SP to Start in	Scaled by 10, so write 800 to get a value of 80
			> 0	Forward Temperature SP to Start in	Scaled by 10, 30 write 800 to get a value of 80
	AO1010	Reverse Start SP	> 0	Reverse	Scaled by 10, so write 300 to get a value of 30
Temp3	AO1011	Forward increment SP	> 0	Temperature FWD Inc	Scaled by 10, so write 300 to get a value of 30
	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	
	AI1013	Temperature/Humidity Sensor	0	Good communication	0 = False
		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		Temperature SP to Start in	
4			> 0	Reverse	Scaled by 10, so write 300 to get a value of 30
Temp4	AO1015 AO1016	Forward increment SP Reverse increment SP	> 0	Temperature FWD Inc Temperature REV Inc	Scaled by 10, so write 300 to get a value of 30 Scaled by 10, so write 300 to get a value of 30
-	AU1016 AI1004	Scaled Temperature	> 0	Temperature FB	Scaled by 10, so write 500 to get a value of 50
	A11004		0	Good communication	0 = False
	AI1014	Temperature/Humidity Sensor 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 80
_	AO1022	Reverse Start SP	> 0	Humidity SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 30
Humid2	AO1023	Forward increment SP	> 0	Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 30
-	AO1024	Reverse increment SP	> 0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 30
	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 80
Llumid 2	AO1026 AO1027	Reverse Start SP	> 0	Humidity SP to Start in Reverse Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 30 Scaled by 10, so write 300 to get a value of 30
Humid3	AO1027 AO1028	Forward increment SP Reverse increment SP	> 0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 30
-	AU1028 AI1007	Humidity	> U ##	Humidity FB	States by 10, 30 write 500 to get a value of 50
	A01029	Forward Start SP	> 0	Humidity SP to Start in Forward	Scaled by 10, so write 800 to get a value of 80
	AO1030	Reverse Start SP	>0	Humidity SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 30
Humid4	AO1031	Forward increment SP	>0	Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 30
	AO1032	Reverse increment SP	> 0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 30
	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	
	AI1015	Wind Sensor LOC	0	Good communication	0 = False
			1	No communication	1 = True
	AI1016	Fire Alarm Contact	0	Fire Alarm Activated	0 = False
Fire Control Panel			1	No Fire Alarm	1 = True
	AI1017	Fire Alarm Panel LOC	0	Good communication	0 = False
			1	No communication	1 = True

DATA	DECIMAL VALUE	PANEL INDICATION	DESCRIPTION
H10	16	E.OC1	OVERCURRENT TRIP DURING ACCELERATION
H11	17	E.OC2	OVERCURRENT TRIP DURING CONSTANT SPEED
H12	18	E.OC3	OVERCURRENT TRIP DURING DECELERATION OR STOP
H20	32	E.OV1	REGENERATIVE OVERVOLTAGE TRIP DURING ACCELERATION
H21	33	E.OV2	REGENERATIVE OVERVOLTAGE TRIP DURING CONSTANT SPEED
H22	34	E.OV3	REGENERATIVE OVERVOLTAGE TRIP DURING DECELERATION OR STOP
H30	48	E.THT	INVERTER OVERLOAD TRIP (ELECTRONIC THERMAL RELAY FUNCTION)
H31	49	E.THM	MOTOR OVERLOAD TRIP (ELECTRONIC THERMAL RELAY FUNCTION)
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 EPPOP

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1) ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL ELECTRICAL WORK MEETS LOCAL ELECTRICAL CODES.

2) RECOMENDED COMMUNICATION CABLE BELDEN 8723

3) ALL CONDUIT BY OTHERS

REVIEW DRAWING
THIS DRAWING IS NOT INTENDED FOR
CONSTRUCTION.
PLEASE CONSULT WITH REGISTERED ARCHITECT
OR PROFFESIONAL
ENGINEER FOR ALL LOADS ANALYSIS
AND SPECIFICATIONS CONFORMITY.

rawn By:	Regional Sale Manager:
CRE	TBD
o4/06/2020	Drawing Number: 6021616S
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								by ENTR 1612 Hutton Dr Carrollton, 1	rive, Suite 140		
evision	Date	Drawn By	Description	Revision	Date	Reference	Description	Danier Die	Regional Sale Manager:		
Α	01/22/2019	CRE	INITIAL DRAWING					CRE	TBD		
В	06/06/2019	CRE	ADDED BACNET CONNECTION					Date:	Drawing Number: 6021616S		
С	04/06/2020	CRE	Updated BACNET address tables					04/06/2020			
								Scale: NTS	Sheet Number: Rev: 10 OF 10 C		
	P/N 6021616S - iFan 7 WITH OPTIONAL NETWORK FCP, TEMPERATURE SENSOR, AND ANEMOMETER										