













	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
	AO0001	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
	AO0002	Direction	-1	Reverse	
	400000	Canadant	1	Forward	
	AO0003 AO0004	Speed set Fam Reset	1-10	Speed	Only reset in the case of a fault condition
	A00004	raiii keset	>0	Fault Reset Drive Running	Only reset in the case of a fault condition
Fan 1	AI0001	Fan Status	2		+
	Aluuui	ran status	4	Forward Reverse	
			4	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	Innut Iumnor/Eiro Alorm Contact	0	Fire Alarm Activated	0 = False
	Aluu97	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
	AI0098	Fan LOC	0	Good communication	0 = False
	A10098	Pall LOC	1	No communication	1 = True
			0	Stop	
	AO0005	Fan Mode	1	Start	
	AOOOOS	ran wode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0006	Direction	-1	Reverse	
			1	Forward	
	AO0007	Speed set	1-10	Speed	
	A00008	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
_			1	Drive Running	
Fan 2	AI0005	Fan Status	2	Forward	
			4	Reverse	
		Materanand	0-200	VFD outpt frequency/RPM	New francisco con conclusion de sino of for
	A10006			VFD Output Current	Max frequency can vary based on size of fan
	AI0007	Motor Current	0-5 *		
	A10008	Fault Code		See Table	Fault Codes listed in Fault code table 0 = False
	AI0099	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	
			0	No Fire Alarm	1 = True
	AI00100	Fan LOC		Good communication	0 = False
			1	No communication Stop	1 = True
			0		
	AO0009	Fan Mode	2	Start 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 numberly sensor option
				Forward	
	AO0010	Direction	1		
			1-10		
	A00011	Speed set	1-10	Speed	Only reset in the case of a fault condition
			1-10 > 0	Speed Fault Reset	Only reset in the case of a fault condition
Fan 3	AO0011 AO0012	Speed set Fam Reset	1-10 > 0 1	Speed Fault Reset Drive Running	Only reset in the case of a fault condition
Fan 3	A00011	Speed set	1-10 > 0 1 2	Speed Fault Reset Drive Running Forward	Only reset in the case of a fault condition
Fan 3	AO0011 AO0012	Speed set Fam Reset Fan Status	1-10 > 0 1 2 4	Speed Fault Reset Drive Running Forward Reverse VFD outpt	
Fan 3	AO0011 AO0012	Speed set Fam Reset	1-10 > 0 1 2	Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM	Only reset in the case of a fault condition Max frequency can vary based on size of fan
Fan 3	AO0011 AO0012 AI0009	Speed set Fam Reset Fan Status	1-10 > 0 1 2 4 0-200 0-5	Speed Fault Reset Drive Running Forward Reverse VFD outpt	
Fan 3	AO0011 AO0012 AI0009	Speed set Fam Reset Fan Status Motor speed	1-10 > 0 1 2 4	Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM	
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code	1-10 > 0 1 2 4 0-200 0-5 *	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
Fan 3	A00011 A00012 A10009 A10010 A10011	Speed set Fam Reset Fan Status Motor speed Motor Current	1-10 > 0 1 2 4 0-200 0-5 * 0	Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code	1-10 > 0 1 2 4 0-200 0-5 + 0 1 0	Speed 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
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012 A10101	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact	1-10 > 0 1 2 4 0-200 0-5 * 0 1 0 1	Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm No Fire Alarm No communication	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012 A10101	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact	1-10 > 0 1 2 4 0-200 0-5 * 0 1 1 0	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	Max frequency can vary based on size of fan Fault Codes listed in Fault code table 0 = False 1 = True 0 = False
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012 A10101	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact	1-10 > 0 1 2 4 0 - 200 0 - 5 * 0 1 0 0 1 1 0 0 1 1	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 = True
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012 A10101 A10102	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	1-10 > 0 1 2 4 0-200 0-5 + 0 1 0 1 2 1 2 2 4 0-2200 0-5 2 1 0 1 0 1 2	Speed 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	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 3	A00011 A00012 A10009 A10010 A10011 A10012 A10101 A10102	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	1-10 > 0 1 2 4 0-200 0-5 * 0 1 0 1 1 2 3	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 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
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012 A10101 A10102	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	1-10 > 0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1	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 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 3	A00011 A00012 A10009 A10010 A10011 A10011 A10012 A10101 A10102 A00013	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1 1	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 Temp Run Mode Humidity Run Mode Reverse 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
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012 A10101 A10102 A00013	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1 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 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 3	A00011 A00012 A10009 A10010 A10011 A10011 A10012 A10101 A10102 A00013	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1 1-10 >0	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 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
	A00011 A00012 A10009 A10010 A10011 A10011 A10101 A10102 A00013 A00014 A00015 A00016	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1 1 1 1-10 >0 1	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 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
Fan 3	A00011 A00012 A10009 A10010 A10011 A10012 A10101 A10102 A00013	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 1 1 1 1 1-10 >0 1 2	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 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
	A00011 A00012 A10009 A10010 A10011 A10011 A10101 A10102 A00013 A00014 A00015 A00016	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1 1 1 1-10 >0 1	Speed 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	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
	A00011 A00012 A10009 A10010 A10011 A10011 A10101 A10102 A00013 A00014 A00015 A00016 A10013	Speed set 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	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1 1-10 >0 1 2 4 4 4 4	Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No 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	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
	A00011 A00012 A10009 A10010 A10011 A10011 A10012 A10101 A00013 A00014 A00015 A00016 A10013	Speed set 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	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 0 1 1 2 1 1 0 1 1 1 1 1 1 1 1 1	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 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
	A00011 A00012 A10009 A10010 A10011 A10011 A10012 A10101 A10102 A00013 A00014 A00015 A00016 A10013	Speed set 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	1-10 >0 1 2 4 0-200 0-5 * 0 1 0 1 2 3 -1 1-10 >0 1 2 4 0-200 0-5 -1 1 0-1 1-10 -1 1 2 4 0-200 0-5	Speed 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	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
	A00011 A00012 A10009 A10010 A10011 A10011 A10011 A10101 A10102 A00013 A00014 A00015 A00016 A10013 A10014 A10015 A10016	Speed set 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	1-10 >0 1 2 4 0-200 0-5 * 0 1 1 0 1 1 2 3 -1 1-10 >0 1 2 4 0-200 0-5 *	Speed 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	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
	A00011 A00012 A10009 A10010 A10011 A10011 A10012 A10101 A10102 A00013 A00014 A00015 A00016 A10013	Speed set 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	1-10 >0 1 2 4 0-200 0-5 * 0 1 2 3 -1 1-10 >0 1 2 3 -1 1-10 >0 1 2 4 0-200 0-5 * 0	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 Temp Run Mode Humidity Run Mode Reverse Forward Speed Fault Reset Drive Running Forward Reverse VFD output Current See Table Fire Alarm Activated No Communication No Fire Alarm Good Communication No Forward Humidity Run Mode Reverse 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
	A00011 A00012 A10009 A10010 A10011 A10011 A10011 A10101 A10102 A00013 A00014 A00015 A00016 A10013 A10014 A10015 A10016	Speed set 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	1-10 >0 1 2 4 0-200 0-5 * 0 1 1 0 1 1 2 3 -1 1-10 >0 1 2 4 0-200 0-5 *	Speed 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	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

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
			1	Start	
	AO0017	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0018	Direction	-1	Reverse	
	A00018	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	
		Materanand		VFD outpt	May from your con your based on size of for
	AI0018	Motor speed	0-200	frequency/RPM VFD Output Current	Max frequency can vary based on size of fan
	AI0019	Motor Current	0-5 *		Foods Codes Passed to Foods and a sold
	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
			1	No communication	1 = True
			0	Stop	+
	AO0021	Fan Mode	1	Start Temp Run Mode	Ontion, have to have temp sensor ontion
			2	Humidity Run Mode	Option, have to have temp sensor option Option, have to have humidity sensor option
			3		option, have to have numberly sensor option
	AO0022	Direction	-1	Reverse	
	AO0023	Speed set	1 10	Forward Speed	
			1-10		Only reset in the case of a fault condition
	A00024	Fam Reset	> 0	Fault Reset Drive Running	Only reset in the case of a fault condition
Fan 6	AI0021	Fan Status	2	Forward	+
	A10021	raii Status	4		+
			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
			0	Stop	
		Fan Mode	1	Start	
	AO0025		2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
			-1	Reverse	
	A00026	Direction	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	
			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	*	See Table	Fault Codes listed in Fault code table
	AI0109	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
		p.ze samper/e Alaim contact	1	No Fire Alarm	1 = True
	AI0110	Fan LOC	0	Good communication	0 = False
			1	No communication	1 = True
			0	Stop	
	AO0029	Fan Mode	1	Start	
	1.03023	i an wode	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	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		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	
			4	Reverse	
				VFD outpt	
	AI0030	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0031	Motor Current	0-5	VFD Output Current	
	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
			0	Good communication	0 = False
	AI0112	Fan LOC	1	No communication	1 = True

Fan	BACnet Address	Register Description	Expected Data 0	Result/Status Stop	Notes
			1	Start	+
	AO0033	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	
	AO0034	Direction	1	Forward	
i	AO0035	Speed set	1-10	Speed	
1	AO0036	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
ł	7100050	Tum Neset	1	Drive Running	
Fan 9	AI0033	Fan Status	2	Forward	+
	A10033	Tan Status	4	Reverse	+
1			4	VFD outpt	
	AI0034	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
1	AI0035	Motor Current	0-5	VFD Output Current	
1	AI0036	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0113	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
i			0	Good communication	0 = False
	AI0114	Fan LOC	1	No communication	1 = True
			0	Stop	
			1	Start	†
	AO0037	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	
	AO0038	Direction	1	Forward	
	AO0039	Speed set	1-10	Speed	
	A00040	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
	7.03040	ram neset	1	Drive Running	, and the second
Fan 10	AI0037	Fan Status	2	Forward	1
	,,	1 an Status	4	Reverse	1
ŀ			4	VFD outpt	
	AI0038	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
1	AI0039	Motor Current	0-5	VFD Output Current	
1	AI0040	Fault Code	*	See Table	Fault Codes listed in Fault code table
i			0	Fire Alarm Activated	0 = False
	AI0115	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
1			0	Good communication	0 = False
	AI0116	Fan LOC	1	No communication	1 = True
	AIUI16 Fan LOC		0	Stop	
			1	Start	1
	AO0041	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			-1	Reverse	
	AO0042	Direction	1	Forward	
1	AO0043	Speed set	1-10	Speed	
i	AO0044	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	,
Fan 11	AI0041	Fan Status	2	Forward	+
	740042	Tun Status	4	Reverse	
			*	VFD outpt	
	AI0042	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0043	Motor Current	0-5	VFD Output Current	
	AI0044	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0117	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
			0	Good communication	0 = False
	AI0118	Fan LOC	1	No communication	1 = True
			0	Stop	
			1	Start	1
	AO0045	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have temp sensor option Option, have to have humidity sensor option
			ı 3		onate to mate number y sensor option
				Powerce	
	AO0046	Direction	-1	Reverse	
			-1 1	Forward	
	A00047	Speed set	-1 1 1-10	Forward Speed	Only recent in the case of a fault condition
			-1 1 1-10 > 0	Forward Speed Fault Reset	Only reset in the case of a fault condition
Fan 12	AO0047 AO0048	Speed set Fam Reset	-1 1 1-10 > 0 1	Forward Speed Fault Reset Drive Running	Only reset in the case of a fault condition
Fan 12	A00047	Speed set	-1 1 1-10 > 0 1	Forward Speed Fault Reset Drive Running Forward	Only reset in the case of a fault condition
Fan 12	AO0047 AO0048	Speed set Fam Reset	-1 1 1-10 > 0 1	Forward Speed Fault Reset Drive Running Forward Reverse	Only reset in the case of a fault condition
Fan 12	A00047 A00048 A10045	Speed set Fam Reset Fan Status	-1 1-10 > 0 1 2 4	Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt	
Fan 12	A00047 A00048 A10045	Speed set Fam Reset Fan Status Motor speed	-1 1-10 > 0 1 2 4 0-200	Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM	Only reset in the case of a fault condition Max frequency can vary based on size of fan
Fan 12	A00047 A00048 A10045 A10046 A10047	Speed set Fam Reset Fan Status Motor speed Motor Current	-1 1-10 > 0 1 2 4 0-200 0-5	Forward Speed Fault Reset Drive Running Forward Reverse VFD outpt frequency/RPM VFD Output Current	Max frequency can vary based on size of fan
Fan 12	A00047 A00048 A10045	Speed set Fam Reset Fan Status Motor speed	-1 1 1-10 >0 1 2 4 0-200 0-5 *	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
Fan 12	A00047 A00048 A10045 A10046 A10047	Speed set Fam Reset Fan Status Motor speed Motor Current	-1 1 1-10 > 0 1 2 4 0-200 0-5 *	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
Fan 12	A00047 A00048 A10045 A10046 A10047 A10048	Speed set Fam Reset Fan Status Motor speed Motor Current Fault Code	-1 1 1-10 >0 1 2 4 0-200 0-5 *	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

General Notes

The information contained herein is property and confidential to 4Front Engineered Solutions, and is to be used solely for the express purpose of consideration and development of the article described herein and may not be reproduced or disseminated without the permission of 4Front Engineered Solutions. 4Front Engineered Solutions reserves the right to incorporate product improvements without prior notice.

OTES:

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.

Firm Name and Address

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Revision	Date	Drawn By	Description	Revision	Date	Reference	Description	Drown Bur	Regional Sale Manager:
Α	01/22/2019	CRE	INITIAL DRAWING					Drawn By: CRE	TBD
В	06/06/2019	CRE	ADDED BACNET CONNECTION					Date:	Drawing Number: 6021616S
С	04/06/2020	CRE	Updated BACNET address tables					05/20/2021	Sheet Number: Rev:
D	05/20/2021	CRE	UPDATED TO NEW IFan DISPLAY, EXPANDED BACNET TABLE					Scale: NTS	8 OF 11 D

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
			1	Start	
	AO0049	Fan Mode			0-4
			2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
			-1	Reverse	
	AO0050	Direction			
			1	Forward	
	AO0051	Speed set	1-10	Speed	
	AO0052	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
		Tuni Neset		Drive Running	,
l			1		
Fan 13	AI0049	Fan Status	2	Forward	
			4	Reverse	
				VFD outpt	
	AI0050	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
					indx requercy can vary based on size or fair
	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
	AI0122	Fan LOC	0	Good communication	0 = False
	AIU122	Fan LOC	1	No communication	1 = True
				Stop	1 1100
			0	-	
	A 000E2	Fon Mode	1	Start	
1	AO0053	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
1	I			Humidity Run Mode	Option, have to have humidity sensor option
1			3		opaon, have to have numberly sensor option
1	AO0054	Direction	-1	Reverse	
1	AU0034	Direction	1	Forward	
1	A00055	Speed set	1-10	Speed	
1		·			
	AO0056	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 14	AI0053	Fan Status	2	Forward	
	Alouss	Faii Status			
			4	Reverse	
				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	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
	AI0124	Fan LOC	0	Good communication	0 = False
	711012-1	1011200	1	No communication	1 = True
			0	Stop	
		l i			
	AO0057	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
			-1	Daviera	
	AO0058	Direction		Reverse	
			1	Forward	
	AO0059	Speed set	1-10	Speed	
	AO0060	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
	A00000	raili neset			Only reset in the case of a fault condition
			1	Drive Running	
Fan 15	AI0057	Fan Status	2	Forward	
			4	Reverse	
			4		
1		Motorspand		VFD outpt	Max frequency can vary based on size of fan
1	AI0058	Motor speed	0-200	frequency/RPM	iviax irequelicy call vary based on size of ran
1	AI0059	Motor Current	0-5	VFD Output Current	
1	AI0060	Fault Code	*	See Table	Fault Codes listed in Fault code table
1	,	, danceouc			
I	AI0125	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
1			1	No Fire Alarm	1 = True
I			0	Good communication	0 = False
1	AI0126	Fan LOC	1	No communication	1 = True
					1 - mue
1	I		0	Stop	
1			1	Start	
1	A00061	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
1	I				
1			3	Humidity Run Mode	Option, have to have humidity sensor option
1	400000	Di ::	-1	Reverse	
1	AO0062	Direction	1	Forward	
1	40000	Speed set			
	A00063		1-10	Speed	
1	AO0064	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 16	AI0061	Ean Status			
	AIUU61	Fan Status	2	Forward	
1	L	<u> </u>	4	Reverse	<u> </u>
1				VFD outpt	
	AI0062	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
1					, , , , , , , , , , , , , , , , , , , ,
	AI0063	Motor Current	0-5	VFD Output Current	
	AI0064	Fault Code	*	See Table	Fault Codes listed in Fault code table
1			0	Fire Alarm Activated	0 = False
1	AI0127	Input Jumper/Fire Alarm Contact			
1			1	No Fire Alarm	1 = True
1	AI0128	Fan LOC	0	Good communication	0 = False
1	AIU128	Fall LUC	1	No communication	1 = True
			-		

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
	A0006F	Fon Made	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	
	A00066	Direction	1	Forward	
	AO0067	Speed set	1-10	Speed	
	AO0068	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 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
	AI0129	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
			1	No Fire Alarm	1 = True
	AI0130	Fan LOC	0	Good communication	0 = False
			1	No communication	1 = True
			0	Stop	
	AO0069	Fan Mode	1	Start	
	I		2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0070	Direction	-1	Reverse	
			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	
		Materanand		VFD outpt	May from your your hand on sine of for
	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
		Fan Mode	0	Stop	
	A00073		1	Start Town Bun Made	Ontion have to have town concer ention
			2	Temp Run Mode Humidity Run Mode	Option, have to have temp sensor option Option, have to have humidity sensor option
			3		Option, have to have numberly sensor option
	AO0074	Direction	-1	Reverse	
	400075	Connel cat	1	Forward	
	A00075	Speed set	1-10	Speed	Only recent in the case of a fault condition
	A00076	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
Fan 19	410072	San Shahaa	1	Drive Running	
101113	AI0073	Fan Status	2	Forward	
			4	Reverse	
	AI0074	Motor speed		Reverse VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	AI0074 AI0075		0-200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	AI0075	Motor Current		VFD outpt frequency/RPM VFD Output Current	
	AI0075 AI0076	Motor Current Fault Code	0-200 0-5 *	VFD outpt frequency/RPM VFD Output Current See Table	Fault Codes listed in Fault code table
	AI0075	Motor Current	0-200 0-5 *	VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated	Fault Codes listed in Fault code table 0 = False
	AI0075 AI0076 AI0133	Motor Current Fault Code Input Jumper/Fire Alarm Contact	0-200 0-5 * 0	VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm	Fault Codes listed in Fault code table 0 = False 1 = True
	AI0075 AI0076	Motor Current Fault Code	0-200 0-5 * 0 1	VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False
	AI0075 AI0076 AI0133	Motor Current Fault Code Input Jumper/Fire Alarm Contact	0-200 0-5 * 0 1 0	VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication	Fault Codes listed in Fault code table 0 = False 1 = True
	AI0075 AI0076 AI0133 AI0134	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	0-200 0-5 * 0 1 0 1	VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False
	AI0075 AI0076 AI0133	Motor Current Fault Code Input Jumper/Fire Alarm Contact	0-200 0-5 * 0 1 0 1 0 1	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 1 = True
	AI0075 AI0076 AI0133 AI0134	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	0-200 0-5 * 0 1 0 1 0 1 2	VFD outpt frequency/RPM VFD Output Current See Table Fire Alarm Activated No Fire Alarm Good communication No communication Stop Start Temp Run Mode	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
	AI0075 AI0076 AI0133 AI0134	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode	0-200 0-5 * 0 1 0 1 0 1 2 3	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	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True
	AI0075 AI0076 AI0133 AI0134	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC	0-200 0-5 * 0 1 0 1 0 1 2 3 -1	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	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
	A10075 A10076 A10133 A10134 A00077	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction	0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1	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	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
	A10075 A10076 A10133 A10134 A00077 A00078 A00079	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set	0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1-10	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 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
	A10075 A10076 A10133 A10134 A00077	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction	0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1-10 >0	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	Fault Codes listed in Fault code table 0 = False 1 = True 0 = False 1 = True Option, have to have temp sensor option
Fan 20	A10075 A10076 A10133 A10134 A00077 A00078 A00078 A00080	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset	0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1 1-10 >0 1	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	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 20	A10075 A10076 A10133 A10134 A00077 A00078 A00079	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set	0-200 0-5 * 0 1 0 1 0 1 1 2 3 -1 1 1-10 >0 1	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	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 20	A10075 A10076 A10133 A10134 A00077 A00078 A00078 A00080	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset	0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1 1-10 >0 1	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	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 20	A10075 A10076 A10133 A10134 A00077 A00078 A00079 A00080 A10077	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status	0-200 0-5 * 0 1 0 1 0 1 1 0 1 1 0 1 1 2 3 -1 1 1-10 >0 1 2 4	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 output	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
Fan 20	A10075 A10076 A10133 A10134 A00077 A00078 A00078 A00079 A00080 A10077	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status Motor speed	0-200 0-5 * 0 1 0 1 0 1 1 0 1 1 1 1 1 1 1 1-10 1 4 0-200	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	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 20	A10075 A10076 A10133 A10134 A00077 A00078 A00079 A00080 A10077 A10078 A10079	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status Motor speed Motor Current	0-200 0-5 * 0 1 0 1 0 1 1 2 3 -1 1 1-10 >0 1 2 4 0-200 0-5	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 output frequency/RPM VFD Output Current	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
Fan 20	A10075 A10076 A10133 A10134 A00077 A00078 A00078 A00079 A00080 A10077 A10078 A10079 A10080	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	0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1-10 >0 1 2 4 0-200 0-5 *	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	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
Fan 20	A10075 A10076 A10133 A10134 A00077 A00078 A00079 A00080 A10077 A10078 A10079	Motor Current Fault Code Input Jumper/Fire Alarm Contact Fan LOC Fan Mode Direction Speed set Fam Reset Fan Status Motor speed Motor Current	0-200 0-5 * 0 1 0 1 0 1 1 0 1 2 3 -1 1 1-10 >0 1 2 4 0-200 0-5 * 0	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 output Current See Table Fire Alarm Activated	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
Fan 20	A10075 A10076 A10133 A10134 A00077 A00078 A00078 A00079 A00080 A10077 A10078 A10079 A10080	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	0-200 0-5 * 0 1 0 1 0 1 2 3 -1 1-10 >0 1 2 4 0-200 0-5 *	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	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

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
	A00081	Fan Mode	1	Start Temp Run Mode	Option, have to have temp sensor option
			2	Humidity Run Mode	Option, have to have humidity sensor option
- 1			3		Option, have to have numberly sensor option
	AO0082	Direction	-1	Reverse	
ł	AO0083	Speed set	1 1-10	Forward Speed	
- 1	A00084	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
ł	A00084	Tamkeset	1	Drive Running	Only reserving the case of a fault condition
Fan 21	AI0081	Fan Status	2	Forward	
	Aloudi	Tan Status	4	Reverse	
ł			4	VFD outpt	
	AI0082	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
1	AI0083	Motor Current	0-5	VFD Output Current	
- 1	AI0084	Fault Code	*	See Table	Fault Codes listed in Fault code table
- [AI0137	Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
	AIU157	input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
	AI0138	Fan LOC	0	Good communication	0 = False
	AI0138	Fall LOC	1	No communication	1 = True
			0	Stop	
	AO0085	Fan Mode	1	Start	
	A00003	Tail Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0086	Direction	-1	Reverse	
	A00080		1	Forward	
	AO0087	Speed set	1-10	Speed	
	AO0088	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 22	AI0085	Fan Status	2	Forward	
			4	Reverse	
		Motor		VFD outpt	May from your con your based on the
- 1	AI0086	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
	AI0087	Motor Current	0-5	VFD Output Current	
- 1	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			1	No Fire Alarm	1 = True
	AI0140	Fan LOC	0	Good communication	0 = False
			1	No communication	1 = True
			0	Stop	
	AO0089	Fan Mode	1	Start	Outling house to be a town and a set of
			2	Temp Run Mode	Option, have to have temp sensor option
- 1			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0090	Direction	-1	Reverse	
ł	4.00004	Connections	1	Forward	
- 1	A00091	Speed set	1-10	Speed	Only reset in the case of a fault condition
- 1	AO0092	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
Fan 23	AI0089	For Shoton	1	Drive Running	
	A10069	Fan Status	2	Forward	
			4	Reverse VFD outpt	
	AI0090	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
İ	AI0091	Motor Current	0-5	VFD Output Current	
	AI0092	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0141	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
		_	0	Good communication	0 = False
	AI0142	Fan LOC	1	No communication	1 = True
			0	Stop	
			1	Start	
	AO0093	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
ı			-1	Reverse	
	AO0094	Direction	1	Forward	
ı	AO0095	Speed set	1-10	Speed	
	AO0096	Fam Reset	>0	Fault Reset	Only reset in the case of a fault condition
ı			1	Drive Running	
Fan 24	AI0093	Fan Status	2	Forward	
			4	Reverse	
			-	VFD outpt	
	AI0094	Motor speed	0-200	frequency/RPM	Max frequency can vary based on size of fan
- 1	AI0095	Motor Current	0-5	VFD Output Current	
- 1	AI0096	Fault Code	*	See Table	Fault Codes listed in Fault code table
			0	Fire Alarm Activated	0 = False
	AI0143	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
ı	AI0144	Fan LOC	0	Good communication	0 = False

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AND SPECIFICATIONS CONFORMITY.

Firm Name and Address

by



Re	ision Date	Drawn By	Description	Revision	Date	Reference	Description	Danier Die	Regional Sale Manage	
	01/22/2019	O CRE	INITIAL DRAWING					CRE	TBD	
	06/06/2019	O CRE	ADDED BACNET CONNECTION					Date:	Drawing Number: 60216165	\Box
Г	04/06/2020	CRE	Updated BACNET address tables					05/20/2021	Sheet Number: Re	<u>, </u>
ı	05/20/2021	1 CRE	UPDATED TO NEW iFan DISPLAY, EXPANDED BACNET TABLE					Scale: NTS	9 OF 11	D

BACnet Mapping Cont.

	Notes
Fan BACnet Address Register Description Expected Data Result/Status 0 Stop	Notes
1 Start	
A00097 Fan Mode	o have temp sensor option
	o have humidity sensor option
	o nave namaty sensor option
AO0098 Direction -1 Reverse	
1 Forward AO0099 Speed set 1-10 Speed	
	he case of a fault condition
	he case of a fault condition
1 Drive Running Fan 25 AIG145 Ean Status 2 Facured	
Alores Z Forward	
4 Reverse	
VFD outpt	
	can vary based on size of fan
Al0147 Motor Current 0-5 VFD Output Current	
	ted in Fault code table
Al0149 Input Jumper/Fire Alarm Contact 0 Fire Alarm Activated 0 = False	
1 No Fire Alarm 1 = True	
Al0150 Fan LOC 0 Good communication 0 = False	
1 No communication 1 = True	
0 Stop	
1 Start	
AO0101 Fan Mode	o have temp sensor option
	o have humidity sensor option
A00102 Direction	
1 Forward	
AO0103 Speed set 1-10 Speed	
	he case of a fault condition
1 Drive Running	
Fan 26 AI0151 Fan Status 2 Forward	
4 Reverse	
VFD outpt	
	can vary based on size of fan
AI0153 Motor Current 0-5 VFD Output Current	
AI0154 Fault Code * See Table Fault Codes list	ted in Fault code table
0 Fire Alarm Activated 0 = False	
Al0155 Input Jumper/Fire Alarm Contact 1 No Fire Alarm 1 = True	
0 Good communication 0 = False	
AI0156 Fan LOC 1 No communication 1 = True	
0 Stop	
AO0105 Fan Mode	o have temp sensor option
	o have humidity sensor option
AO0106 Direction -1 Reverse	
1 Forward	
AO0107 Speed set 1-10 Speed	
AO0108 Fam Reset > 0 Fault Reset Only reset in ti	he case of a fault condition
1 Drive Running	
Fan 27 Al0157 Fan Status 2 Forward	
4 Reverse	
VFD outpt	
Al0158 Motor speed 0-200 frequency/RPM Max frequency	can vary based on size of fan
AI0159 Motor Current 0-5 VFD Output Current	
Al0160 Fault Code * See Table Fault Codes list	ted in Fault code table
0 Fire Alarm Activated 0 - False	
Al0161 Input Jumper/Fire Alarm Contact 1 No Fire Alarm 1 = True	
0 Good communication 0 = False	
Al0162 Fan LOC 1 No communication 1 = True	
AO0109 Fan Mode 1 Start Continue have to	a hava tamp concer antion
	o have temp sensor option
	o have humidity sensor option
AO0110 Direction -1 Reverse	
1 Forward	
AO0111 Speed set 1-10 Speed	
AO0112 Fam Reset > 0 Fault Reset Only reset in the	he case of a fault condition
1 Drive Running	
Fan28 AI0163 Fan Status 2 Forward	
4 Reverse	
VFD outpt	
	can vary based on size of fan
AI0164 Motor speed 0-200 frequency/RPM Max frequency	, , ,
Al0164 Motor speed 0-200 frequency/RPM Max frequency Al0165 Motor Current 0-5 VFD Output Current	
AI0164 Motor speed 0-200 frequency/RPM Max frequency AI0165 Motor Current 0-5 VFD Output Current AI0166 Fault Code * See Table Fault Codes list	ted in Fault code table
AI0164 Motor speed 0-200 frequency/RPM Max frequency AI0165 Motor Current 0-5 VFD Output Current AI0166 Fault Code * See Table Fault Codes list AI0167 Input Jumper/Fire Alarm Contact 0 Fire Alarm Activated 0 = False	
Al0164 Motor speed 0-200 frequency/RPM Max frequency Al0165 Motor Current 0-5 VFD Output Current	
Al0164 Motor speed 0-200 frequency/RPM Max frequency Al0165 Motor Current 0-5 VFD Output Current Al0166 Fault Code * See Table Fault Codes list Al0167 Input Jumper/Fire Alarm Contact 0 Fire Alarm Activated 0 = False	

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
			0	Stop	
	A00113		1	Start	
	AUUII3	Fan Mode	2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	A00114	51 H	-1	Reverse	
	A00114	Direction	1	Forward	
	AO0115	Speed set	1-10	Speed	
	A00116	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 29	AI0169	Fan Status	2	Forward	
			4	Reverse	
	AI0170	Motor speed	0-200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	AI0171	Motor Current	0-5	VFD Output Current	
	AI0172	Fault Code	*	See Table	Fault Codes listed in Fault code table
		Input Jumper/Fire Alarm Contact	0	Fire Alarm Activated	0 = False
	AI0173		1	No Fire Alarm	1 = True
	410474	Fan LOC	0	Good communication	0 = False
	AI0174	Fan LOC	1	No communication	1 = True
		Fan Mode	0	Stop	
	AO0117		1	Start	
	AU0117		2	Temp Run Mode	Option, have to have temp sensor option
			3	Humidity Run Mode	Option, have to have humidity sensor option
	AO0118	B1 11	-1	Reverse	
	A00118	Direction	1	Forward	
	AO0119	Speed set	1-10	Speed	
	AO0120	Fam Reset	> 0	Fault Reset	Only reset in the case of a fault condition
			1	Drive Running	
Fan 30	AI0175	Fan Status	2	Forward	
			4	Reverse	
	AI0176	Motor speed	0-200	VFD outpt frequency/RPM	Max frequency can vary based on size of fan
	AI0177	Motor Current	0-5	VFD Output Current	
	AI0178	Fault Code	*	See Table	Fault Codes listed in Fault code table
	410470	Innut Iumner/Eiro Alexen Court	0	Fire Alarm Activated	0 = False
	AI0179	Input Jumper/Fire Alarm Contact	1	No Fire Alarm	1 = True
	410400	F== 100	0	Good communication	0 = False
	AI0180	Fan LOC	1	No communication	1 = True

General Notes

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А	01/22/2019	CRE	INITIAL DRAWING			CRE	Regional Sale Manager:
В	06/06/2019	CRE	ADDED BACNET CONNECTION			Date: 05/20/2021	Drawing Number: 6021616S
С	04/06/2020	CRE	Updated BACNET address tables				
D	05/20/2021	CRE	UPDATED TO NEW iFan DISPLAY, EXPANDED BACNET TABLE			NITO	10 OF 11 P

Fan	BACnet Address	Register Description	Expected Data	Result/Status	Notes
1011				Temperature SP to Start in	
	AO1001	Forward Start SP	> 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
	Al1001	Scaled Temperature	##	Temperature FB	
	AI1011	Temperature/Humidity Sensor	0	Good communication	0 = False
		LOC	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
Temp2	AO1007	Forward increment SP	> 0	Temperature FWD Inc	Scaled by 10, so write 300 to get a value of 30
	A01008	Reverse increment SP	>0	Temperature REV Inc	Scaled by 10, so write 300 to get a value of 30
	Al1002	Scaled Temperature	##	Temperature FB	
	AI1012	Temperature/Humidity Sensor LOC	1	No communication	0 = False 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
Tow-2	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	
		Temperature/Humidity Sensor	0	Good communication	0 = False
	AI1013	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
Temp4	AO1015	Forward increment SP	> 0	Temperature FWD Inc	Scaled by 10, so write 300 to get a value of 30
remp4	AO1016	Reverse increment SP	> 0	Temperature REV Inc	Scaled by 10, so write 300 to get a value of 30
	AI1004	Scaled Temperature	##	Temperature FB	
	AI1014	Temperature/Humidity Sensor	0	Good communication	0 = False
	AIIUI4	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	0 1 11 40 11 000 1 1 100
	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
	A01024	Reverse increment SP Humidity	> 0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 30
	AI1006 AO1025	· · · · · · · · · · · · · · · · · · ·	##	Humidity FB Humidity SP to Start in Forward	Scaled by 10, so write 800 to get a value of 80
	AO1025 AO1026	Forward Start SP Reverse Start SP	> 0	Humidity SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 30
Humid3	AO1026 AO1027	Forward increment SP	> 0 > 0	Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 30
nannus	AO1027 AO1028	Reverse increment SP	>0	Humidity REV Inc	Scaled by 10, so write 300 to get a value of 30
	A01028 AI1007	Humidity	##	Humidity FB	22.22 of 20, 50 time 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
	A01030	Reverse Start SP	>0	Humidity SP to Start in Reverse	Scaled by 10, so write 300 to get a value of 30
Humid4	AO1030	Forward increment SP	>0	Humidity FWD Inc	Scaled by 10, so write 300 to get a value of 30
	AO1031	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
	Al1010	Direction	##	Wind Direction	
			0	Good communication	0 = False
	AI1015	Wind Sensor LOC	1	No communication	1 = True
	AI1016	Fire Alarm Contact	0	Fire Alarm Activated	0 = False
Fire Control Panel	AI1016	Fire Alarm Contact	1	No Fire Alarm	1 = True
ine control railer			0	Good communication	O - Falsa
	AI1017	Fire Alarm Panel LOC	U	Good Communication	0 = False

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	PECCEPITION
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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Revision	Date	Drawn By	Description	Revision	Date	Reference	Description	Danier Dire	Regional Sale Manager:
Α	01/22/2019	CRE	INITIAL DRAWING					CRE	TBD
В	06/06/2019	CRE	ADDED BACNET CONNECTION					Date: 05/20/2021	Drawing Number: 6021616S
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D	05/20/2021	CRE	UPDATED TO NEW iFan DISPLAY, EXPANDED BACNET TABLE					Scale: NTS	Sheet Number: Rev: