

SUBMITTALS

Saigon Paper Corporation

NX300-C100 Turbo Blower Suction Louver Type

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3. Communication Address Map

3.1. LS & DELTA Controller Interface Address Map

- X (Address±1) can be performed when communication address matches due to MODBUS Protocol feature.

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- ** Command value is initialized after 2~5 seconds after entering the value considering communication stabilize during start and stop command.
- **X NS**: Apply surge speed, **NC**: Apply max. speed based on current temperature, **NM**: Apply mechanical max. speed
- **X DI+TP**, **DI+AI** have no association with communication since they are linked with remote device using hardwiring.

Add	lress	lana	Description	Turno	Faunce	Comment
Blower	Modbus	ltem	Description	Type	Format	Comment
D3000	3000	N1	Motor speed	REAL	0~999999	Hait : ram
D3001	3001	INT	wotor speed	NEAL	0~999999	Unit : rpm
D3002	3002	Wm	Motor input nower	REAL	0~9999.9	Unit : kW
D3003	3003	VVIII	Motor input power	KEAL	0~9999.9	Offit . kvv
D3004	3004	Pd	Discharge proceure	REAL	0~9999.99	I lock a look/on² / loDo / DCI
D3005	3005	Pu	Discharge pressure	KEAL	0~9999.99	Unit : kgf/m² / kPa / PSI
D3006	3006	dPi	Inlet filter DP	REAL	0~99.9999	Unit : kgf/m² / kPa / PSI
D3007	3007	uri	illiet fliter Dr	NEAL	0~99.9999	OTHE REPORT AND A REAL PSI
D3008	3008	Ts	Suction temperature	REAL	0~9999.99	Unit: °C / °F
D3009	3009	15	Suction temperature	KEAL	0~9999.99	Offit. C / F
D3010	3010	Td	Discharge temperature	DEAL	0 0000 00	Linit . °C / °F
D3011	3011		Discharge temperature	REAL	0~9999.99	Unit: °C / °F
D3012	3012	Tm	Motor temperature	REAL	0~9999.99	Unit: °C / °F



D3013	3013					
D3014	3014	Tb	Pagring toppograture	REAL	0~9999.99	11a. 2
D3015	3015	TD	Bearing temperature	KEAL	0~9999.99	Unit: °C / °F
D3016	3016	Xm	Motor vibration	REAL	0~999.99	Unit: μm / mil
D3017	3017	AIII	Wotor vibration	INLAL	0~999.99	Offit : μiii / IIII
D3018	3018	Q	Suction air flow	REAL	0~99999.9	Unit: m³/min / N m³/min / N m³/min(*) / CFM /
D3019	3019	<u> </u>	Saction an new	T(L/ (L		SCFM
D3020	3020	Nc_max	Max speed based on	REAL	0~999999	Unit : rpm / mg/l
D3021	3021	TVC_ITIGA	Suction temperature	TTETTE		one ipin y mg/t
D3022	3022	B_status	Blower status	BINARY	0~1000000	※ refer to page 'C-12'
D3023	3023	Nscm	Max speed limit condition	BINARY	0~100	※ refer to page 'C-16'
D3024	3024	Ctrl_mode	Control mode status	BINARY	0~1000	★ refer to page 'C-13'
D3025	3025	Site_mode	Remote mode status	BINARY	0~1000	※ refer to page 'C-14'
D3026	3026	Surge_mode	Protection mode status	BINARY	0~1000	★ refer to page 'C-15'
D3027	3027	T_run_min	Total running time	INT	0~60	Unit : Minute
D3028	3028	T_run_hour	Total running time	DINT	0~4294967295	Unit : Hour
D3029	3029	i_ruii_noui		DINI	0~4294907293	Offit . Hour
D3030	3030	C_run_hour	Current running time	DINT	0~4294967295	Unit : Hour
D3031	3031	C_run_nour	Current running time	DINI	0~4234307233	Office a floor
D3032	3032	Ks	(Neuros only use)	REAL		
D3033	3033	10	(Neuros offig dae)	TKE/KE		
D3034	3034	Qo	(Neuros only use)	REAL		
D3035	3035	<u> </u>	(Nearos orny ase)	112/12		
D3036	3036				Spare	
D3037	3037			Т		
D3038	3038	Ticr	(Neuros only use)	REAL		
D3039	3039	1101	(Nearos orny ase)	112/12		
D3040	3040	F_history_order	Fault history number	INT	0~25	



D3041	3042	F_history_code	Fault history code	INT	0~9999	
D3042	3043	E leistamanalus	Facilit Islanta in control	DEAL	0. 00000 000	
D3043	3043	F_history_value	Fault history value	REAL	0~99999.999	
D3044	3044	F_history_year	Fault history time	INT	0~99	Unit : Year
D3045	3045	F_history_month	Fault history time	INT	0~12	Unit : Month
D3046	3046	F_history_day	Fault history time	INT	0~31	Unit : Day
D3047	3047	F_history_hour	Fault history time	INT	0~24	Unit : Hour
D3048	3048	F_history_min	Fault history time	INT	0~60	Unit : Min
D3049	3049				Spare	
D3050	3050	N1_max	Motor speed limit	REAL	0~999999	Unit : rpm
D3051	3051	INT_ITIAX	Wotor speed minit	NLAL	0~99999	Ont . Tpm
D3052	3052	Pi_max	Inlet filter DP limit	REAL	0~999.999	Unit : kgf/m² / kPa / PSI
D3053	3053	FI_IIIdX	milet miter DF minit	NLAL	0.999.999	OTILL RYTHIN / KFA / FSI
D3054	3054	Xm_max	Moto vibration limit	REAL	0~999.99	Unit: µm / mil
D3055	3055	AIII_IIIdX	Wold vibration innit	INLAL	0.4333.33	Οιπε. μιπ γ τιπι
D3056	3056	Pd_max	Discharge pressure limit	REAL	0~9999.99	Unit : kgf/m² / kPa / PSI
D3057	3057	T d_ITIUX	Discharge pressure mine	TYL/ YL	0 3333.33	oritt . Kgi/tiii / Kr ti / F Si
D3058	3058	Ts_max	Suction temperature limit	REAL	0~9999.99	Unit: °C / °F
D3059	3059	15_1114X	Suction temperature mini	TYL/ YL	0 3333.33	one. C7 1
D3060	3060	Td_max	Discharge temperature	REAL	0~9999.99	Unit: °C / °F
D3061	3061	ra_max	limit	TILTIL	0 3333.33	one. Cy i
D3062	3062	Tm_max	Motor temperature limit	REAL	0~9999.99	Unit: °C / °F
D3063	3063	IIII_IIIdX	Motor temperature minit	111/11	3 3333.33	ome. C / 1
D3064	3064	Tb_max	Bearing temperature limit	REAL	0~9999.99	Unit: °C / °F
D3065	3065	TD_IIIdX	bearing temperature illilit	NLAL	0~3333.33	ome. C / 1
D3066	3066	Wm_max	Motor input power limit	REAL	0~9999.9	Unit : kW
D3067	3067	VVIII_IIIdX				OTHE . RVV
D3068	3068	Ox	D.O(Dissolved oxygen)	REAL	0~999.9	Unit : rpm / mg/l



D3069	3069								
D3070	3070	Warning_code	Warning code	INT	0~9999				
D3071	3071	Fault_code	Fault coed	INT	0~9999				
D3072	3072	Heart_bit	Communication check bit	BIT	0~1				
D3073	3073		Spare						
D3074	3074	N1 min	Minimum speed	REAL	0~999999.9	Hait I warm			
D3075	3075	N1_min	Millinum speed	KEAL	0~999999.9	Unit : rpm			
D3076	3076	Input current	Input current	REAL	0~9999.99	Hoit : A			
D3077	3077	Input_current	(Approx.)	KEAL	0~9999.99	Unit : A			

Add	lress	ltem	Description	Tuno	Format	Comment
Blower	Modbus	item	Description	Type	Format	Comment
D3180	3180	Target	Percent of target value	REAL	0~100.0	Unit:%
D3181	3181	Target	refcent of target value	KEAL	0~100.0	Offit . %
D3182	3182	Start_stop	Start / stop command	INT	1234 / 4321	1234 : Start, 4321 : Stop



3.2. AB MicroLogix 1400 & RS Controller Interface Address Map

- X Command value is initialized after 2∼5 seconds after entering the value considering communication stabilize during start and stop command.
- **X NS**: Apply surge speed, **NC**: Apply max. speed based on current temperature, **NM**: Apply mechanical max. speed
- X DI+TP, DI+AI have no association with communication since they are linked with remote device using hardwiring.

Add	lress	lte	Description	T a	F	Command
Blower	Modbus	ltem	Description	Type	Format	Comment
F10:0	0	N1	Motor speed	REAL	0~999999	Unit: rpm
F10:1	2	Wm	Motor input power	REAL	0~9999.9	Unit: kW
F10:2	4	Pd	Discharge pressure	REAL	0~9999.99	Unit : kgf/m² / kPa / PSI
F10:3	6	dPi	Inlet filter DP	REAL	0~99.9999	Unit : kgf/m² / kPa / PSI
F10:4	8	Ts	Suction temperature	REAL	0~9999.99	Unit: °C / °F
F10:5	10	Td	Discharge temperature	REAL	0~9999.99	Unit: °C / °F
F10:6	12	Tm	Motor temperature	REAL	0~9999.99	Unit: °C / °F
F10:7	14	Tb	Bearing temperature	REAL	0~9999.99	Unit: °C / °F
F10:8	16	Xm	Motor vibration	REAL	0~999.99	Unit: µm / mil
F10:9	18	Q	Suction aire flow	REAL	0~99999.9	Unit: m³/min / N m³/min / N m³/min(*) / CFM /
F10:10	20	Nc_max	Max speed based on Suction temperature	REAL	0~999999	Unit : rpm / mg/ℓ
N11:10	22	B_status	Blower status	BINARY	0~1000000	★ refer to Page 'C-12'
N11:11	23	Nscm	Max speed limit condition	BINARY	0~100	※ refer to Page 'C-16'
N11:12	24	Ctrl_mode	Control mode status	BINARY	0~1000	★ refer to Page 'C-13'



N11:13	25	Site_mode	Remote mode status	BINARY	0~1000	★ refer to Page 'C-14'		
N11:14	26	Surge_mode	Protection mode status	BINARY	0~1000	※ refer to Page 'C-15'		
N11:15	27	T_run_min	Total running time	INT	0~60	Unit : Minute		
F10:11	28	T_run_hour	Total running time	DINT	0~4294967295	Unit : Hour		
F10:12	30	C_run_hour	Current running time	DINT	0~4294967295	Unit : Hour		
F10:13	32	Ks	(Neuros only use)	REAL				
F10:14	34	Qo	(Neuros only use)	REAL				
F10:15	36				Spare			
F10:16	38	Ticr	(Neuros only use)	REAL				
F10:17	40	N1_max	Motor speed limit	REAL	0~999999	Unit : rpm		
F10:18	42	Pi_max	Inlet filter DP limit	REAL	0~999.999	Unit : kgf/m² / kPa / PSI		
F10:19	44	Xm_max	Motor vibration limit	REAL	0~999.99	Unit: μm / mil		
F10:20	46	Pd_max	Discharge pressure limit	REAL	0~9999.99	Unit : kgf/m² / kPa / PSI		
F10:21	48	Ts_max	Suction temperature limit	REAL	0~9999.99	Unit: °C / °F		
F10:22	50	Td_max	Discharge temperature limit	REAL	0~9999.99	Unit: °C / °F		
F10:23	52	Tm_max	Motor temperature limit	REAL	0~9999.99	Unit: °C / °F		
F10:24	54	Tb_max	Bearing temperature limit	REAL	0~9999.99	Unit: °C / °F		
F10:25	56	Wm_max	Motor input power limit	REAL	0~9999.9	Unit: kW		
F10:26	58	Ox	D.O(Dissolved oxygen)	REAL	0~999.9	Unit : rpm / mg/l		
N11:16	60	Warning_code	Warning code	INT	0~9999			
N11:17	61	Fault_code	Fault code	INT	0~9999			
N11:18	62	Heart_bit	Communication check bit	BIT	0~1			
N11:19	63		Spare					
F10:27	64	N1_min	Minimum speed	REAL	0~999999.9	Unit : rpm		



F10:28	66 Input_current	Input current(Approx.)	REAL	0~9999.99	Unit : A
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Add	dress	lt o mo	Description	Turno	Format	Commont
Blower	Modbus	Item	Description	Type	ronnat	Comment
F10:30	100	Target	Percent of Target Value	REAL	0~100.0	Unit: %
N11:0	102	Start_stop	Start / Stop command	INT	1234 / 4321	1234 : Start, 4321 : Stop



3.3. AB CompactLogix Controller Interface Address Map

- ** Command value is initialized after 2~5 seconds after entering the value considering communication stabilize during start and stop command.
- **X NS**: Apply surge speed, **NC**: Apply max. speed based on current temperature, **NM**: Apply mechanical max. speed
- **X DI+TP**, **DI+AI** have no association with communication since they are linked with remote device using hardwiring.

Blower address	Item	Description	Туре	Format	Comment		
MCP_Float_Data[0]	dPi	Inlet filter DP	REAL	0~99.9999	Unit : kgf/m² / kPa / PSI		
MCP_Float_Data[1]	Pd	Discharge pressure	REAL	0~9999.99	Unit : kgf/m² / kPa / PSI		
MCP_Float_Data[2]	Xm	Motor vibration	REAL	0~999.99	Unit: µm / mil		
MCP_Float_Data[3]	Ox	D.O(Dissolved oxygen)	REAL	0~99.0	Unit : rpm / mg/ℓ		
MCP_Float_Data[4]	N1	Motor speed	REAL	0~999999.0	Unit : rpm		
MCP_Float_Data[5]	Wm	Motor input power	REAL	0~9999.9	Unit : kW		
MCP_Float_Data[6]	Ts	Suction temperature	REAL	0~9999.99	Unit: °C / °F		
MCP_Float_Data[7]	Td	Discharge temperature	REAL	0~9999.99	Unit: °C / °F		
MCP_Float_Data[8]	Tb	Bearing temperature	REAL	0~9999.99	Unit: °C / °F		
MCP_Float_Data[9]	Tm	Motor temperature	REAL	0~9999.99	Unit: °C / °F		
MCP_Float_Data[10]	Q	Suction air flow	REAL	0~99999.9	Unit: m³/min / N m³/min / N m³/min(*) / CFM / SCFM		
MCP_Float_Data[11]	T_Run_Hour	Total running time	REAL	0~9999999999999999999999999999999999999	Unit : Hour		
MCP_Float_Data[12]	C_Run_Hour	Currnet running time	REAL	0~9999999999999999999999999999999999999	Unit : Hour		
MCP_Float_Data[13]		Spare					



MCP_Float_Data[14]	NC_Max	Max speed based on Suction temperature	REAL	0~999999	Unit : rpm
MCP_Float_Data[15]	dPi_Max	Inlet filter DP limit	REAL	0~99.9999	Unit : kgf/m² / kPa / PSI
MCP_Float_Data[16]	Xm_Max	Motor vibration limit	REAL	0~999.99	Unit: µm / mil
MCP_Float_Data[17]	Pd_Max	Discharge pressure limit	REAL	0~9999.99	Unit : kgf/m² / kPa / PSI
MCP_Float_Data[18]	Ts_Max	Suction temperature limit	REAL	0~9999.99	Unit: °C / °F
MCP_Float_Data[19]	Td_Max	Discharge temperature limit	REAL	0~9999.99	Unit: °C / °F
MCP_Float_Data[20]	Tb_Max	Bearing temperature limit	REAL	0~9999.99	Unit: °C / °F
MCP_Float_Data[21]	Tm_Max	Motor temperature limit	REAL	0~9999.99	Unit: °C / °F
MCP_Float_Data[22]	N1_Max	Motor speed limit	REAL	0~999999	Unit : rpm
MCP_Float_Data[23]	Wm_Max	Motor input power limit	REAL	0~9999.9	Unit : kW
MCP_Float_Data[24]	Ns	(Neuros only use)	REAL		
SCADA_Float_Data[0]	N1_Min	Minimum speed	REAL	0~999999	Unit : rpm
MCP_Integer_Data[0]	B_Status	Blower status	BINARY	0~1000000	% refer to Page 'C-12'
MCP_Integer_Data[1]	Site_Mode	Remote mode status	INT	0~3	* refer to Page 'C-13'
MCP_Integer_Data[2]	Ctrl_Mode	Control mode status	INT	0~3	% refer to Page 'C-14'
MCP_Integer_Data[3]	Surge_Mode	Protection mode status	INT	0~3	※ refer to Page 'C-15'
MCP_Integer_Data[4]	Heart_Bit	Communication check bit	INT	0~65535	Periodically increased by one.
MCP_Integer_Data[5]	Fault_Code	Fault code	INT	0~9999	

Blower address	Item	Description	Туре	Format	Comment
MCP_CMD	Target	Percent of target value	REAL	0~100.0	Unit: %
MCP_Integer_Data[8]	MCP_Heart	Communication check bit	INT	0~65535	Return signal of communication check. Periodically increased by one.
MCP_Integer_Data[9]	Start_stop	Start / Stop command	INT	1~2	1 : Start / 2 : Stop



3.4. Siemens Controller Interface Address Map

- **X** Command value is initialized after **2~5** seconds after entering the value considering communication stabilize during start and stop command.
- **X NS**: Apply surge speed, **NC**: Apply max. speed based on current temperature, **NM**: Apply mechanical max. speed
- **X DI+TP, DI+AI** have no association with communication since they are linked with remote device using hardwiring.

Address		Item	Description	turn o	Farmet	Commont
Blower	SCADA		Description	type	Format	Comment
DB12.DBW0	+0	N1	Motor speed	REAL	0~999999	Unit : rpm
DB12.DBW4	+2	Wm	Motor input power	REAL	0~9999.9	Unit : kW
DB12.DBW8	+4	Pd	Discharge pressure	REAL	0~9999.99	Unit : kgf/cm² / kPa / PSI
DB12.DBW12	+6	dPi	Inlet filter DP	REAL	0~99.9999	Unit : kgf/m² / kPa / PSI
DB12.DBW16	+8	Ts	Suction temperature	REAL	0~9999.99	Unit: °C / °F
DB12.DBW20	+10	Td	Discharge temperature	REAL	0~9999.99	Unit: °C / °F
DB12.DBW24	+12	Tm	Motor temperature	REAL	0~9999.99	Unit: °C / °F
DB12.DBW28	+14	Tb	Bearing temperature	REAL	0~9999.99	Unit: °C / °F
DB12.DBW32	+16	Xm	Motor vibration	REAL	0~999.99	Unit: µm / mil
DB12.DBW36	+18	Q	Suction air flow	REAL	0~99999.9	Unit: m³/min / N m³/min / N m³/min(*) / CFM /
DB12.DBW40	+20	Nc_max	Max speed based on	REAL	0~999999	Unit : rpm / mg/ℓ
DB12.DBW44	+22	B_status	Blower status	BINARY	0~1000000	※ refer to page 'C-12'
DB12.DBW48	+24	Ctrl_mode	Control mode status	BINARY	0~1000	※ refer to page 'C-13'
DB12.DBW50	+25	Site_mode	Remote mode status	BINARY	0~1000	※ refer to page 'C-14'
DB12.DBW52	+26	Surge_mode	Protection mode status	BINARY	0~1000	※ refer to page 'C-15'
DB12.DBW54	+27	T_run_min	Total running time	INT	0~60	Unit : Minute





DB12.DBW56	+28	T_run_hour	Total running time	DINT	0~4294967295	Unit : Hour
DB12.DBW60	+30	C_run_hour	Current running time	DINT	0~4294967295	Unit : Hour
DB12.DBW64	+32	Ks	(Neuros only use)	REAL		
DB12.DBW68	+34	Qo	(Neuros only use)	REAL		
DB12.DBW76	+38	Ticr	(Neuros only use)	REAL		
DB12.DBW80	+40	N1_max	Motor speed limit	REAL	0~999999	Unit : rpm
DB12.DBW84	+42	Pi_max	Inlet filter DP limit	REAL	0~999.999	Unit : kgf/m² / kPa / PSI
DB12.DBW88	+44	Xm_max	Moto vibration limit	REAL	0~999.99	Unit: µm / mil
DB12.DBW92	+46	Pd_max	Discharge pressure limit	REAL	0~9999.99	Unit : kgf/m² / kPa / PSI
DB12.DBW96	+48	Ts_max	Suction temperature limit	REAL	0~9999.99	Unit: °C / °F
DB10.DBW100	+50	Td_max	Discharge temperature	REAL	0~9999.99	Unit: °C / °F
DB12.DBW104	+52	Tm_max	Motor temperature limit	REAL	0~9999.99	Unit: °C / °F
DB12.DBW108	+54	Tb_max	Bearing temperature limit	REAL	0~9999.99	Unit: °C / °F
DB12.DBW112	+56	Wm_max	Motor input power limit	REAL	0~9999.9	Unit: kW
DB12.DBW116	+58	Ox	D.O(Dissolved oxygen)	REAL	0~999.9	Unit : rpm / mg/l
DB12.DBW120	+60	Warning_code	Warning code	INT	0~9999	
DB12.DBW122	+61	Fault_code	Fault coed	INT	0~9999	
DB12.DBW124	+62	Heart_bit	Communication check bit	BIT	0~1	
DB12.DBW128	+64	N1_min	Minimum speed	REAL	0~999999.9	Unit : rpm
DB12.DBW132	+66	Input_current	Input current(Approx.)	REAL	0~9999.99	Unit : A





Addres			Description	th read	Farmet	Commont
Blower	SCADA	ltem	Description	type	Format	Comment
DB12.DBW200	+100	Target	Percent of target value	REAL	0~100.0	Unit: %
DB12.DBW204	+102	Start_stop	Start / stop command	INT	1234 / 4321	1234 : Start, 4321 : Stop