SETTINGS SHEET
STANDALONE HVAC CONTROLLER

ID: TIC-L600

MPE
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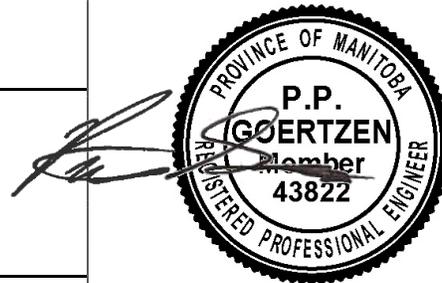
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
Winnipeg

TYLEHURST LIFT PUMPING STATION
2026 UPGRADES
HVAC CONTROLLER SETTING LETTERS
HONEYWELL T775U2030
TIC-L600

City Document Number: 1-0193L-E0003

Project

Engineer's Seal

PROVINCE OF MANITOBA
P.P. GOERTZEN
Member
43822
REGISTERED PROFESSIONAL ENGINEER

1/9/2026

Rev.	Description	Date	Created By	Checked By	Approved By
00	Issued For Tender	1/9/2026	SA	JAS, PPG	PPG

Menu Location	Variable	Set Point	Note	Rev.
SENSORS	# SENSORS	1		
SENSORS/SENSOR A	UNITS	DEG C		
SENSORS/SENSOR A	LABEL	TE_L600		
SENSORS/SENSOR A	TYPE	PT1000		
SENSORS/SENSOR A	MIN VAL	-	1	
SENSORS/SENSOR A	MAX VAL	-	1	
SENSORS/SENSOR B	UNITS	-		
SENSORS/SENSOR B	LABEL	-		
SENSORS/SENSOR B	MIN VAL	-		
SENSORS/SENSOR B	MAX VAL	-		
OUTPUTS/MOD 1	TYPE	0-10V		
OUTPUTS/MOD 1	MIN OUT%	0%	1	
OUTPUTS/MOD 1	INTEGRAL	400	1	
OUTPUTS/MOD 1	DERIVATIVE	0	1	
PROGRAM/MOD 1	ACTION	HEAT	1	
PROGRAM/MOD 1	SENSOR	SENSOR A		
PROGRAM/MOD 1	SETPOINT	22°C		
PROGRAM/MOD 1	SETBACK	-40°C		
PROGRAM/RELAY 1	ACTION	HEAT	2	
PROGRAM/RELAY 1	SENSOR	SENSOR A	2	
PROGRAM/RELAY 1	SETPOINT	30°C	2	
PROGRAM/RELAY 1	DIFFERENTIAL	4°C	2	
PROGRAM/RELAY 1	SETBACK	-40°C	2	
PROGRAM/RELAY 2	ACTION	COOL	2	
PROGRAM/RELAY 2	SENSOR	SENSOR A	2	

SETTINGS SHEET
STANDALONE HVAC CONTROLLER

Menu Location	Variable	Set Point	Note	Rev.
PROGRAM/RELAY 2	SETPOINT	26°C	2	
PROGRAM/RELAY 2	DIFFERENTIAL	4°C	2	
PROGRAM/RELAY 2	SETBACK	-40°C	2	
OUTPUTS	# RELAYS	2	2	
OUTPUT/OPTIONS	DI OPTS	SETBACK		
OUTPUT/OPTIONS	SHOW RT	YES	1	
OUTPUTS/MOD 2	TYPE	0-10V		
OUTPUTS/MOD 2	MIN OUT%	0%		
OUTPUTS/MOD 2	INTEGRAL	400		
OUTPUTS/MOD 2	DERIVATIVE	0		
PROGRAM/MOD 2	ACTION	HEAT		
PROGRAM/MOD 2	SENSOR	SENSOR A		
PROGRAM/MOD 2	SETPOINT	22°C		
PROGRAM/MOD 2	SETBACK	-40°C	5	

Notes
1. Factory Setting.
2. Output Discrete Relays Not Used
3. Hold the "MENU" button for 5 seconds to access the setup configuration
4. Contractor is responsible for ensuring proper parameters are entered.
5. Setback active on methane gas alarm to turn off duct heater.

	SETTINGS SHEET **STANDALONE HVAC CONTROLLER**	Page	1 of 2
MPE a division of Englobe		ID:	TIC-L630

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

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TYLEHURST LIFT PUMPING STATION

2026 UPGRADES

HVAC CONTROLLER SETTING LETTERS

HONEYWELL T775U2006

TIC-L630

City Document Number 1-0193L-E0003

Project

1/9/2026

Rev.	Description	Date	Created By	Checked By	Approved By
00	Issued For Tender	1/9/2026	SA	JAS, PPG	PPG

Menu Location	Variable	Set Point	Note	Rev.
SENSORS	# SENSORS	1		
SENSORS/SENSOR A	UNITS	DEG C		
SENSORS/SENSOR A	LABEL	TT_L635		
SENSORS/SENSOR A	TYPE	4-20mA		
SENSORS/SENSOR A	MIN VAL	0°C	1	
SENSORS/SENSOR A	MAX VAL	120°C	1	
SENSORS/SENSOR B	UNITS	-		
SENSORS/SENSOR B	LABEL	-		
SENSORS/SENSOR B	MIN VAL	-		
SENSORS/SENSOR B	MAX VAL	-		
OUTPUTS/MOD 1	TYPE	0-10V		
OUTPUTS/MOD 1	MIN OUT%	0%	1	
OUTPUTS/MOD 1	INTEGRAL	400	1	
OUTPUTS/MOD 1	DERIVATIVE	0	1	
PROGRAM/MOD 1	ACTION	COOLING	1	
PROGRAM/MOD 1	SENSOR	SENSOR A		
PROGRAM/MOD 1	SETPOINT	22°C		
PROGRAM/MOD 1	SETBACK	-40°C		
PROGRAM/RELAY 1	ACTION	-	2	
PROGRAM/RELAY 1	SENSOR	-	2	
PROGRAM/RELAY 1	SETPOINT	-	2	
PROGRAM/RELAY 1	DIFFERENTIAL	-	2	
PROGRAM/RELAY 1	SETBACK	-	2	
PROGRAM/RELAY 2	ACTION	-	2	
PROGRAM/RELAY 2	SENSOR	-	2	

Menu Location	Variable	Set Point	Note	Rev.
PROGRAM/RELAY 2	SETPOINT	-	2	
PROGRAM/RELAY 2	DIFFERENTIAL	-	2	
PROGRAM/RELAY 2	SETBACK	-	2	
OUTPUTS	# RELAYS	-	2	
OUTPUT/OPTIONS	DI OPTS	-	2	
OUTPUT/OPTIONS	SHOW RT	-	2	
OUTPUTS/MOD 2	TYPE	-	2	
OUTPUTS/MOD 2	MIN OUT%	-	2	
OUTPUTS/MOD 2	INTEGRAL	-	2	
OUTPUTS/MOD 2	DERIVATIVE	-	2	
PROGRAM/MOD 2	ACTION	-	2	
PROGRAM/MOD 2	SENSOR	-	2	
PROGRAM/MOD 2	SETPOINT	-	2	
PROGRAM/MOD 2	SETBACK	-	2	

Notes
1. Factory Setting.
2. Output Discrete Relays, Inputs Not Used
3. Hold the "MENU" button for 5 seconds to access the setup configuration
4. Contractor is responsible for ensuring proper parameters are entered.

THE CITY OF WINNIPEG
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Winnipeg

TYLEHURST LIFT PUMPING STATION
2026 UPGRADES
VARIABLE FREQUENCY DRIVE SETTING LETTERS
LIFT PUMP
P-L01

Engineer's Seal

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PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER

1/9/2026

City Document Number	1-0193L-E0001
Project	TYLEHURST LIFT STATION 2026 UPGRADE

Rev.	Description	Date	Created By	Checked By	Approved By
00	Issued For Tender	1/9/2026	JAS, SA	PPG	PPG

VFD DATA

Control Schematics: 1-0219L-E0019-001					
Size:	60 HP	Voltage:	600 VAC	Nominal Output Current:	62 A
Manufacturer:	Schneider Electric	Model:	ATV630	Nominal Efficiency:	98%

MOTOR DATA

Power:	60 HP	Voltage:	600 VAC	Speed:	1200 RPM
Manufacturer:	TBD	Model:	TBD	Pump Rating:	60 HP
FLA: TBD		Code: TBD	Power Factor: TBD	Service Factor:	1.0 (VFD)

Parameter	Description	Set Point	Note	Rev.
BFR	Motor Standard	[60 Hz NEMA] 60	1	
NPR	Nominal Motor Power	60 HP		
UNS	Nominal Motor Voltage	600 VAC		
NCR	Nominal Motor Current	**TBD**		
FRS	Nominal Motor Frequency	60 Hz		
NSP	Nominal Motor Speed	1200 RPM		
ITH	Motor Current Thermal Monitoring (FLA x Service Factor)	**TBD**		
TCC	2/3-Wire Control	[2-Wire Control] 2C	2	
TFR	Maximum Output Frequency	60 Hz		
ACC	Acceleration	5.00 s		
DEC	Deceleration	5.00 s		
LSP	Low Speed	40 Hz		
HSP	High Speed	60 Hz		
APPT	Application Selection	GPMP	2	
CTT	Motor Control Type	[U/F VC Quad.] UFQ		
TCT	Type of 2-Wire Control	Level		
MPC	Motor Parameter	[Nominal Motor Power] NPR	2	
CHCF	Control Mode	[I/O profile] IO		
FR1	Ref Freq 1 Config	[Not Configured] NO		
FR1b	Ref Freq 1B Config	AI2		
RCB	Ref 1B switching	[DI3] Li3		
RIN	Reverse Disable	No		
RFC	Frequency Switch Assign	[DI4] Li4		
FR2	Ref Freq 2 Config	AI1		
RRS	Reverse Assign	[DI2] Li2		
PIF	PID Feedback Assign	No		
STT	Type of Stop	[Freewheel] NST		

Parameter	Description	Set Point	Note	Rev.
AI1T	AI1 Type	[Voltage] 10U	2	
UIL1	AI1 Min. Value	0.0 Vdc	2	
UIH1	AI1 Max. Value	10.0 Vdc	2	
AI1F	AI1 Filter	0.10 s		
AI1E	AI1 Interm. Point X	0%		
AI1S	AI1 Interm. Point Y	0%		
AI1L	AI1 Range	[0-100%] POS	2	
AI2T	AI2 Type	[Current] 0A		
CRL2	AI2 Min. Value	4 mA		
CRH2	AI2 Max. Value	20 mA	2	
AI2F	AI2 Filter	0.10 s		
AI2E	AI2 Interm. Point X	0.00%		
AI2S	AI2 Interm. Point Y	0.00%		
AI2L	AI2 Range	[0- 100%] POS	2	
AO1	AQ1 Assignment	[Motor Frequency] OFR	2	
AO1T	AQ1 Type	[Current] 0A	2	
AOL1	AQ1 Min. Output	4.0 mA		
AOH1	AQ1 Max. Output	20.0 mA	2	
ASL1	Scaling AQ1 Min.	0.00%	2	
ASH1	Scaling AQ1 Max.	100.00%	2	
AO1F	AQ1 Filter	2.0 s		
AO2	AQ2 Assignment	[Motor Current] OCR		
AO2T	AQ2 Type	[Current] 0A		
AOL2	AQ2 Min. Output	4.0 mA		
AOH2	AQ2 Max. Output	20.0 mA		
ASL2	Scaling AQ2 Min.	0.00%		
ASH2	Scaling AQ2 Max.	100.00%		
AO2F	AQ2 Filter	2.0 s		
R1	Relay 1 Assignment	[Operating State Fault] FLT		
R2	Relay 2 Assignment	[Reverse] MRRS		
R3	Realy 3 Assignment	[Forward] MFRD		
R1D	Relay 1 Delay Time	0 ms	2	
R1S	Relay 1 Active at	[1] POS	2	
R1H	Relay 1 Hold Time	0 ms	2	
R2D	Relay 2 Delay Time	0 ms	2	
R2S	Relay 2 Active at	[1] POS	2	
R2H	Relay 2 Hold Time	0 ms	2	
R3D	Relay 3 Delay Time	0 ms	2	
R3S	Relay 3 Active at	[0] NEG	2	
R3H	Relay 3 Hold Time	0 ms	2	
OPL	Output Phase Loss Assign	[OPF Error Triggered] YES	2	
ODT	Output Phase Loss Delay	0.5 s	2	
IPL	Input Phase Loss Assign	[Freewheel Stop] YES	2	
LFL1	AI1 Signal Loss	[Ignore] NO	2	
LFL2	AI2 Signal Loss	[Freewheel] YES		
USB	Undervoltage Response	[Error Triggered] 0	2	
URES	Rated Mains Voltage	[600 VAC] 600		
USL	Undervoltage Level	517.5 VAC	3	
UST	Undevoltage Timeout	0.5 s		
STP	Stop Type PLoss (undervolatge)	[Inactive] NO	2	
CLI	Current Limitation	102.0 A	4	
TLA	Torque Limit Active	[Yes] YES		
TPMM	Pmax Motor	300%	2	
OHL	Drive Temp Error Response	[Freewheel Stop] YES	2	

Parameter	Description	Set Point	Note	Rev.
THA	Drive Thermal State Warning	100%	2	
LNG	Language	English		
SVL	Motor Surge Limit	[Yes] YES		
SOP	Attenuation Time	[10 µs] 10		
S101	Parameter Set 1 Value 1	40 Hz	6	
S201	Parameter Set 2 Value 1	20 Hz	6	
S301	Parameter Set 3 Value 1	40 Hz	6	
CHA1	Parameter Set Select 1	[DI2] Li2	6	
FLOC	Forced Local Channel Assignment	AI3		
FLO	Forced Local Assignment	[DI2] Li2		

Notes
1. Parameter must be modified before any other changes.
2. Factory Setting.
3. 10% loss from motor rating, verify requirement
4. Scaling factor results in 20 mA output at 145.0 A motor current.
5. The installer is responsible for ensuring proper parameter values are utilized. MPE assumes no responsibility for incorrect parameter values that result in equipment damage.
6. Values from SoMove parameter set switching to apply to LSP

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
Winnipeg

TYLEHURST LIFT PUMPING STATION
2026 UPGRADES
VARIABLE FREQUENCY DRIVE SETTING LETTERS
LIFT PUMP
P-L02

Engineer's Seal

P.P. GOERTZEN Member 43822 PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER

1/9/2026

City Document Number	1-0193L-E0001
Project	TYLEHURST LIFT STATION 2026 UPGRADE

Rev.	Description	Date	Created By	Checked By	Approved By
00	Issued For Tender	1/9/2026	JAS, SA	PPG	PPG

VFD DATA						
Control Schematics: 1-0219L-E0021-001					
Size:	60 HP	Voltage:	600 VAC	Nominal Output Current:	62 A
Manufacturer:	Schneider Electric	Model:	ATV630	Nominal Efficiency:	98%

MOTOR DATA						
Power:	60 HP	Voltage:	600 VAC	Speed:	1200 RPM
Manufacturer:	TBD	Model:	TBD	Pump Rating:	60 HP
FLA: TBD	Code: TBD	Power Factor:	TBD	Service Factor:	1.0 (VFD)

Parameter	Description	Set Point	Note	Rev.
BFR	Motor Standard	[60 Hz NEMA] 60	1	
NPR	Nominal Motor Power	60 HP		
UNS	Nominal Motor Voltage	600 VAC		
NCR	Nominal Motor Current	TBD		
FRS	Nominal Motor Frequency	60 Hz		
NSP	Nominal Motor Speed	1200 RPM		
ITH	Motor Current Thermal Monitoring (FLA x Service Factor)	TBD		
TCC	2/3-Wire Control	[2-Wire Control] 2C	2	
TFR	Maximum Output Frequency	60 Hz		
ACC	Acceleration	5.00 s		
DEC	Deceleration	5.00 s		
LSP	Low Speed	40 Hz		
HSP	High Speed	60 Hz		
APPT	Application Selection	GPMP	2	
CTT	Motor Control Type	[U/F VC Quad.] UFQ		
TCT	Type of 2-Wire Control	Level		
MPC	Motor Parameter	[Nominal Motor Power] NPR	2	
CHCF	Control Mode	[I/O profile] IO		
FR1	Ref Freq 1 Config	[Not Configured] NO		
FR1b	Ref Freq 1B Config	AI2		
RCB	Ref 1B switching	[DI3] Li3		
RIN	Reverse Disable	No		
RFC	Frequency Switch Assign	[DI4] Li4		
FR2	Ref Freq 2 Config	AI1		
RRS	Reverse Assign	[DI2] Li2		
PIF	PID Feedback Assign	No		
STT	Type of Stop	[Freewheel] NST		

Parameter	Description	Set Point	Note	Rev.
AI1T	AI1 Type	[Voltage] 10U	2	
UIL1	AI1 Min. Value	0.0 Vdc	2	
UIH1	AI1 Max. Value	10.0 Vdc	2	
AI1F	AI1 Filter	0.10 s		
AI1E	AI1 Interm. Point X	0%		
AI1S	AI1 Interm. Point Y	0%		
AI1L	AI1 Range	[0-100%] POS	2	
AI2T	AI2 Type	[Current] 0A		
CRL2	AI2 Min. Value	4 mA		
CRH2	AI2 Max. Value	20 mA	2	
AI2F	AI2 Filter	0.10 s		
AI2E	AI2 Interm. Point X	0.00%		
AI2S	AI2 Interm. Point Y	0.00%		
AI2L	AI2 Range	[0- 100%] POS	2	
AO1	AQ1 Assignment	[Motor Frequency] OFR	2	
AO1T	AQ1 Type	[Current] 0A	2	
AOL1	AQ1 Min. Output	4.0 mA		
AOH1	AQ1 Max. Output	20.0 mA	2	
ASL1	Scaling AQ1 Min.	0.00%	2	
ASH1	Scaling AQ1 Max.	100.00%	2	
AO1F	AQ1 Filter	2.0 s		
AO2	AQ2 Assignment	[Motor Current] OCR		
AO2T	AQ2 Type	[Current] 0A		
AOL2	AQ2 Min. Output	4.0 mA		
AOH2	AQ2 Max. Output	20.0 mA		
ASL2	Scaling AQ2 Min.	0.00%		
ASH2	Scaling AQ2 Max.	100.00%		
AO2F	AQ2 Filter	2.0 s		
R1	Relay 1 Assignment	[Operating State Fault] FLT		
R2	Relay 2 Assignment	[Reverse] MRRS		
R3	Realy 3 Assignment	[Forward] MFRD		
R1D	Relay 1 Delay Time	0 ms	2	
R1S	Relay 1 Active at	[1] POS	2	
R1H	Relay 1 Hold Time	0 ms	2	
R2D	Relay 2 Delay Time	0 ms	2	
R2S	Relay 2 Active at	[1] POS	2	
R2H	Relay 2 Hold Time	0 ms	2	
R3D	Relay 3 Delay Time	0 ms	2	
R3S	Relay 3 Active at	[0] NEG	2	
R3H	Relay 3 Hold Time	0 ms	2	
OPL	Output Phase Loss Assign	[OPF Error Triggered] YES	2	
ODT	Output Phase Loss Delay	0.5 s	2	
IPL	Input Phase Loss Assign	[Freewheel Stop] YES	2	
LFL1	AI1 Signal Loss	[Ignore] NO	2	
LFL2	AI2 Signal Loss	[Freewheel] YES		
USB	Undervoltage Response	[Error Triggered] 0	2	
URES	Rated Mains Voltage	[600 VAC] 600		
USL	Undervoltage Level	517.5 VAC	3	
UST	Undevoltage Timeout	0.5 s		
STP	Stop Type PLoss (undervolatge)	[Inactive] NO	2	
CLI	Current Limitation	102.0 A	4	
TLA	Torque Limit Active	[Yes] YES		
TPMM	Pmax Motor	300%	2	
OHL	Drive Temp Error Response	[Freewheel Stop] YES	2	

SETTINGS SHEET
VARIABLE FREQUENCY DRIVE

MPE
a division of Englobe

ID: VFD-L02

Parameter	Description	Set Point	Note	Rev.
THA	Drive Thermal State Warning	100%	2	
LNG	Language	English		
SVL	Motor Surge Limit	[Yes] YES		
SOP	Attenuation Time	[10 µs] 10		
S101	Parameter Set 1 Value 1	40 Hz	6	
S201	Parameter Set 2 Value 1	20 Hz	6	
S301	Parameter Set 3 Value 1	40 Hz	6	
CHA1	Parameter Set Select 1	[DI2] Li2	6	
FLOC	Forced Local Channel Assignment	AI3		
FLO	Forced Local Assignment	[DI2] Li2		

Notes
1. Parameter must be modified before any other changes.
2. Factory Setting.
3. 10% loss from motor rating, verify requirement
4. Scaling factor results in 20 mA output at 145.0 A motor current.
5. The installer is responsible for ensuring proper parameter values are utilized. MPE assumes no responsibility for incorrect parameter values that result in equipment damage.
6. Values from SoMove parameter set switching to apply to LSP

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
Winnipeg

TYLEHURST LIFT PUMPING STATION
2026 UPGRADES
VARIABLE FREQUENCY DRIVE SETTING LETTERS
LIFT PUMP
P-L03

Engineer's Seal

P.P. GOERTZEN Member 43822
PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER

1/9/2026

| City Document Number | 1-0193L-E0001 |
| Project | TYLEHURST LIFT STATION 2026 UPGRADE |

Rev.	Description	Date	Created By	Checked By	Approved By
00	Issued For Tender	1/9/2026	JAS, SA	PPG	PPG

VFD DATA

Control Schematics: 1-0219L-E0023-001

Size:	60 HP	Voltage:	600 VAC	Nominal Output Current:	62 A
Manufacturer:	Schneider Electric	Model:	ATV630	Nominal Efficiency:	98%

MOTOR DATA

Power:	60 HP	Voltage:	600 VAC	Speed:	1200 RPM
Manufacturer:	TBD	Model:	TBD	Pump Rating:	60 HP
FLA: TBD	Code: TBD	Power Factor:	TBD	Service Factor:	1.0 (VFD)

Parameter	Description	Set Point	Note	Rev.
BFR	Motor Standard	[60 Hz NEMA] 60	1	
NPR	Nominal Motor Power	60 HP		
UNS	Nominal Motor Voltage	600 VAC		
NCR	Nominal Motor Current	**TBD**		
FRS	Nominal Motor Frequency	60 Hz		
NSP	Nominal Motor Speed	1200 RPM		
ITH	Motor Current Thermal Monitoring (FLA x Service Factor)	**TBD**		
TCC	2/3-Wire Control	[2-Wire Control] 2C	2	
TFR	Maximum Output Frequency	60 Hz		
ACC	Acceleration	5.00 s		
DEC	Deceleration	5.00 s		
LSP	Low Speed	40 Hz		
HSP	High Speed	60 Hz		
APPT	Application Selection	GPMP	2	
CTT	Motor Control Type	[U/F VC Quad.] UFQ		
TCT	Type of 2-Wire Control	Level		
MPC	Motor Parameter	[Nominal Motor Power] NPR	2	
CHCF	Control Mode	[I/O profile] IO		
FR1	Ref Freq 1 Config	[Not Configured] NO		
FR1b	Ref Freq 1B Config	AI2		
RCB	Ref 1B switching	[DI3] Li3		
RIN	Reverse Disable	No		
RFC	Frequency Switch Assign	[DI4] Li4		
FR2	Ref Freq 2 Config	AI1		
RRS	Reverse Assign	[DI2] Li2		
PIF	PID Feedback Assign	No		
STT	Type of Stop	[Freewheel] NST		

SETTINGS SHEET
VARIABLE FREQUENCY DRIVE

Parameter	Description	Set Point	Note	Rev.
AI1T	AI1 Type	[Voltage] 10U	2	
UIL1	AI1 Min. Value	0.0 Vdc	2	
UIH1	AI1 Max. Value	10.0 Vdc	2	
AI1F	AI1 Filter	0.10 s		
AI1E	AI1 Interm. Point X	0%		
AI1S	AI1 Interm. Point Y	0%		
AI1L	AI1 Range	[0-100%] POS	2	
AI2T	AI2 Type	[Current] 0A		
CRL2	AI2 Min. Value	4 mA		
CRH2	AI2 Max. Value	20 mA	2	
AI2F	AI2 Filter	0.10 s		
AI2E	AI2 Interm. Point X	0.00%		
AI2S	AI2 Interm. Point Y	0.00%		
AI2L	AI2 Range	[0- 100%] POS	2	
AO1	AQ1 Assignment	[Motor Frequency] OFR	2	
AO1T	AQ1 Type	[Current] 0A	2	
AOL1	AQ1 Min. Output	4.0 mA		
AOH1	AQ1 Max. Output	20.0 mA	2	
ASL1	Scaling AQ1 Min.	0.00%	2	
ASH1	Scaling AQ1 Max.	100.00%	2	
AO1F	AQ1 Filter	2.0 s		
AO2	AQ2 Assignment	[Motor Current] OCR		
AO2T	AQ2 Type	[Current] 0A		
AOL2	AQ2 Min. Output	4.0 mA		
AOH2	AQ2 Max. Output	20.0 mA		
ASL2	Scaling AQ2 Min.	0.00%		
ASH2	Scaling AQ2 Max.	100.00%		
AO2F	AQ2 Filter	2.0 s		
R1	Relay 1 Assignment	[Operating State Fault] FLT		
R2	Relay 2 Assignment	[Reverse] MRRS		
R3	Realy 3 Assignment	[Forward] MFRD		
R1D	Relay 1 Delay Time	0 ms	2	
R1S	Relay 1 Active at	[1] POS	2	
R1H	Relay 1 Hold Time	0 ms	2	
R2D	Relay 2 Delay Time	0 ms	2	
R2S	Relay 2 Active at	[1] POS	2	
R2H	Relay 2 Hold Time	0 ms	2	
R3D	Relay 3 Delay Time	0 ms	2	
R3S	Relay 3 Active at	[0] NEG	2	
R3H	Relay 3 Hold Time	0 ms	2	
OPL	Output Phase Loss Assign	[OPF Error Triggered] YES	2	
ODT	Output Phase Loss Delay	0.5 s	2	
IPL	Input Phase Loss Assign	[Freewheel Stop] YES	2	
LFL1	AI1 Signal Loss	[Ignore] NO	2	
LFL2	AI2 Signal Loss	[Freewheel] YES		
USB	Undervoltage Response	[Error Triggered] 0	2	
URES	Rated Mains Voltage	[600 VAC] 600		
USL	Undervoltage Level	517.5 VAC	3	
UST	Undevoltage Timeout	0.5 s		
STP	Stop Type PLoss (undervolatge)	[Inactive] NO	2	
CLI	Current Limitation	102.0 A	4	
TLA	Torque Limit Active	[Yes] YES		
TPMM	Pmax Motor	300%	2	
OHL	Drive Temp Error Response	[Freewheel Stop] YES	2	

SETTINGS SHEET
VARIABLE FREQUENCY DRIVE

Parameter	Description	Set Point	Note	Rev.
THA	Drive Thermal State Warning	100%	2	
LNG	Language	English		
SVL	Motor Surge Limit	[Yes] YES		
SOP	Attenuation Time	[10 μs] 10		
S101	Parameter Set 1 Value 1	40 Hz	6	
S201	Parameter Set 2 Value 1	20 Hz	6	
S301	Parameter Set 3 Value 1	40 Hz	6	
CHA1	Parameter Set Select 1	[DI2] Li2	6	
FLOC	Forced Local Channel Assignment	AI3		
FLO	Forced Local Assignment	[DI2] Li2		

Notes
1. Parameter must be modified before any other changes.
2. Factory Setting.
3. 10% loss from motor rating, verify requirement
4. Scaling factor results in 20 mA output at 145.0 A motor current.
5. The installer is responsible for ensuring proper parameter values are utilized. MPE assumes no responsibility for incorrect parameter values that result in equipment damage.
6. Values from SoMove parameter set switching to apply to LSP