

EXHIBIT I - Oro Hondo 15kV Switchgear - MAIN VCB

BN PLANT CODE	GE		POWERVAC PRODUCT TYPE		T/D STYLE	
0357A6231 SUMMARY NO.	CUBT. MARK	13.8KV VOLTS	3 PH	3 WIRE	60 HZ	15KV VOLTS MAX
01 ITEM	102 SECT.	AMPS 2000 SUPPLY	2000 SECTION	N/A NEUTRAL	SHORT CKT RATING	18KA RMS SYM AMPS

OR AS LIMITED BY ANY DEVICE INSTALLED IN THIS SECTION ADDITIONAL OR REPLACEMENT DEVICES SHALL BE OF SAME MANUFACTURE AND TYPE DESIGNATION WITH SHORT CIRCUIT RATING AT LEAST THAT OF THE LOWEST RATED DEVICE INSTALLED.

LOW FREQ 36KV = IMPULSE WITHSTAND 95KV = MOMENTARY 37KA

LABEL 0209B484P001 G.E. ELECTRICAL DISTRIBUTION & CONTROL BURLINGTON, IOWA MADE IN U.S.A.

GE Power Vac Breaker		TYPE V81 13.8-500-3	
SER. NO. 0357A6231-001			
RATED VOLTAGE VOLTS AC	15 KV	2000 HZ 60	IMPULSE WITHSTAND 95 KV
RATED SHORT CIRCUIT AMP	18 KA	1.3	5 CYC
0209B8103C012 VOLTS 240VAC	2.4	200-260	
10209B8104C004 VOLTS 340VDC	3.7	295-360	
0177C5050C005 VOLTS 240VAC			
0209B8250P005 WT 560LBS	ML-18	DATE 4/95	
VAC. INTER. TYPE 50D1	REQ. 430-31622	SO. 070720	
CAUTION: REPAIR INSTALLATION OF EQUIPMENT DANGEROUS		GEK-86132	
ELECTRICAL DISTRIBUTION & CONTROL BURLINGTON, IOWA 52601 USA			



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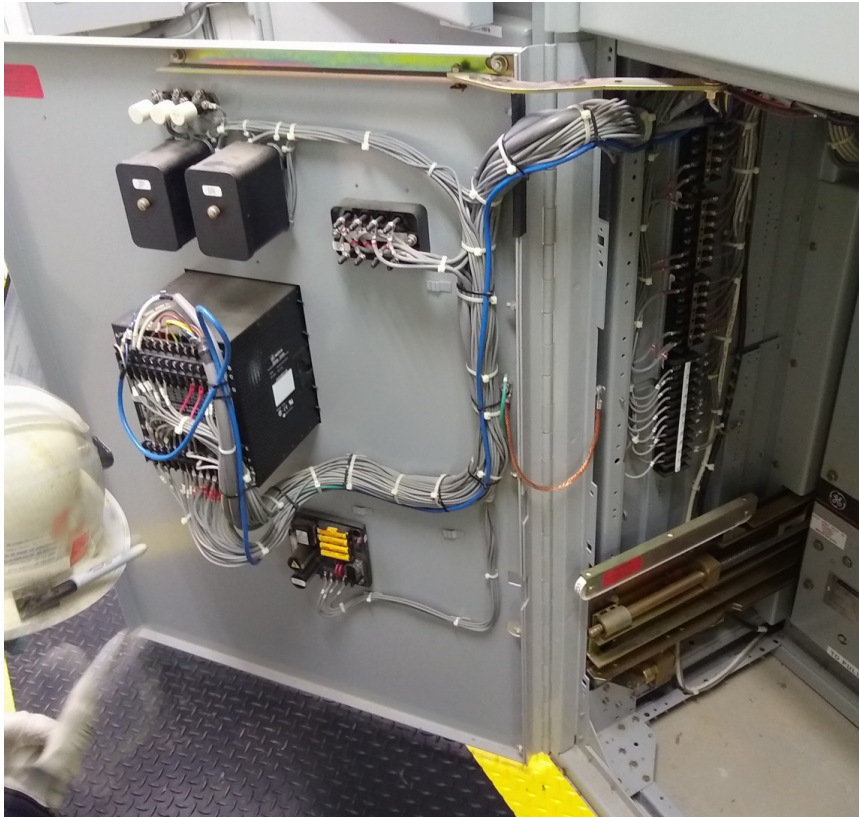
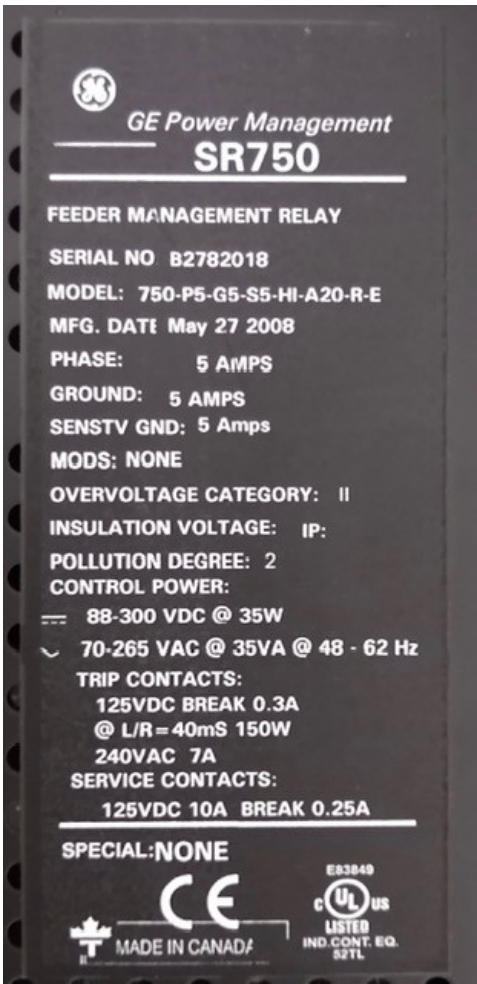


EXHIBIT I - Oro Hondo 15kV Switchgear - MAIN VCB





Export Settings Report

Oro Hondo Substation 15kV Switchgear Main CB Relay

OVERVIEW

Device Summary	
File Name	SR750_RS_301B.750 : C:\Users\p bauer\OneDrive - SDSTA\Docume nts\DATA\Documents\SDSTA\Power System\Ross Substation\Rela ys\Rick's Multilin settings\
Product Version	720
Setting Type	Settings
Order Code	750-P5-G5-S5-HI-A20-R-E
Serial Number	B2782084
Description	

Generated at : May 31 2023 08:21:11



RELAY SETUP - > FRONT PANEL - > FRONT PANEL

Flash Message Time	4.0 s
Default Message Timeout	180 s
Display Filter Constant	0
3 Key Max/Last Demand Clearing	Disabled

RELAY SETUP - > EVENT RECORDER - > EVENT RECORDER

Event Recorder Function	Enabled
Record Pickup Events	Enabled
Record Dropout Events	Enabled
Record Trip Events	Enabled
Record Alarm Events	Enabled
Record Control Events	Enabled
Record Logic Input Events	Enabled
Record Set Time/Date Events	Enabled

RELAY SETUP - > TRACE MEMORY - > TRACE MEMORY

Buffer Organization	16 x 512
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Export Settings Report

Trigger Position	25 %
Trigger on pickup	Active
Trigger on dropout	Inactive
Trigger on trip	Active
Trigger on alarm	Inactive
Trigger on control	Inactive

RELAY SETUP - > USER TEXT MESSAGES - > USER TEXT MESSAGES

User Text Message 1	Ross 12KV Substation
User Text Message 2	20MVA Main Breaker
User Text Message 3	Text 3
User Text Message 4	Text 4
User Text Message 5	Text 5

RELAY SETUP - > DATA LOGGER - > DATA LOGGER

Sample Rate	1 cycle
Continuous Mode	Enabled
Channel 1 Source	Phase A Current
Channel 2 Source	Phase B Current
Channel 3 Source	Phase C Current
Channel 4 Source	Ground Current
Channel 5 Source	Phase A-N Voltage
Channel 6 Source	Phase B-N Voltage
Channel 7 Source	Phase C-N Voltage
Channel 8 Source	Frequency
IRIG-B Signal Type	None

RELAY SETUP - > INSTALLATION - > INSTALLATION

: SR750/760 Operation	Ready
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RELAY SETUP - > DNP COMMUNICATIONS - > DNP COMMUNICATIONS

DNP Port	None
DNP Point Mapping	Disabled
Transmission Delay	0 ms



Export Settings Report

Data Link Confirmation Mode	Never
Data Link Confirmation Timeout	1000 ms
Data Link Confirmation Retries	3
Select/Operate Arm Timer Duration	10000 ms
Write Time Interval	0 ms
Inhibit Cold Restart	Disabled

SYSTEM SETUP - > SENSING - > SENSING

Phase CT Primary	1500 A
Ground CT Primary	50 A
Sensitive Ground CT Primary	1000 A
Bus VT Connection Type	Delta
Bus Nominal VT Secondary Voltage	124.7 V
Bus VT Ratio	100.0 : 1
Line VT Connection	Vab
Line Nominal VT Secondary Voltage	120.0 V
Line VT Ratio	12.0 : 1
Nominal Frequency	60 Hz
Phase Sequence	ACB
Cost of energy	4.6 cents/kWh

SYSTEM SETUP - > FLEXCURVE A - > FLEXCURVE A

FlexCurve A Trip Time at 1.03 x PU	0 ms
FlexCurve A Trip Time at 1.05 x PU	0 ms
FlexCurve A Trip Time at 1.10 x PU	0 ms
FlexCurve A Trip Time at 1.20 x PU	0 ms
FlexCurve A Trip Time at 1.30 x PU	0 ms
FlexCurve A Trip Time at 1.40 x PU	0 ms
FlexCurve A Trip Time at 1.50 x PU	0 ms
FlexCurve A Trip Time at 1.60 x PU	0 ms
FlexCurve A Trip Time at 1.70 x PU	0 ms
FlexCurve A Trip Time at 1.80 x PU	0 ms
FlexCurve A Trip Time at 1.90 x PU	0 ms



Export Settings Report

FlexCurve A Trip Time at 2.00 x PU	0 ms
FlexCurve A Trip Time at 2.10 x PU	0 ms
FlexCurve A Trip Time at 2.20 x PU	0 ms
FlexCurve A Trip Time at 2.30 x PU	0 ms
FlexCurve A Trip Time at 2.40 x PU	0 ms
FlexCurve A Trip Time at 2.50 x PU	0 ms
FlexCurve A Trip Time at 2.60 x PU	0 ms
FlexCurve A Trip Time at 2.70 x PU	0 ms
FlexCurve A Trip Time at 2.80 x PU	0 ms
FlexCurve A Trip Time at 2.90 x PU	0 ms
FlexCurve A Trip Time at 3.00 x PU	0 ms
FlexCurve A Trip Time at 3.10 x PU	0 ms
FlexCurve A Trip Time at 3.20 x PU	0 ms
FlexCurve A Trip Time at 3.30 x PU	0 ms
FlexCurve A Trip Time at 3.40 x PU	0 ms
FlexCurve A Trip Time at 3.50 x PU	0 ms
FlexCurve A Trip Time at 3.60 x PU	0 ms
FlexCurve A Trip Time at 3.70 x PU	0 ms
FlexCurve A Trip Time at 3.80 x PU	0 ms
FlexCurve A Trip Time at 3.90 x PU	0 ms
FlexCurve A Trip Time at 4.00 x PU	0 ms
FlexCurve A Trip Time at 4.10 x PU	0 ms
FlexCurve A Trip Time at 4.20 x PU	0 ms
FlexCurve A Trip Time at 4.30 x PU	0 ms
FlexCurve A Trip Time at 4.40 x PU	0 ms
FlexCurve A Trip Time at 4.50 x PU	0 ms
FlexCurve A Trip Time at 4.60 x PU	0 ms
FlexCurve A Trip Time at 4.70 x PU	0 ms
FlexCurve A Trip Time at 4.80 x PU	0 ms
FlexCurve A Trip Time at 4.90 x PU	0 ms
FlexCurve A Trip Time at 5.00 x PU	0 ms
FlexCurve A Trip Time at 5.10 x PU	0 ms
FlexCurve A Trip Time at 5.20 x PU	0 ms



Export Settings Report

FlexCurve A Trip Time at 5.30 x PU	0 ms
FlexCurve A Trip Time at 5.40 x PU	0 ms
FlexCurve A Trip Time at 5.50 x PU	0 ms
FlexCurve A Trip Time at 5.60 x PU	0 ms
FlexCurve A Trip Time at 5.70 x PU	0 ms
FlexCurve A Trip Time at 5.80 x PU	0 ms
FlexCurve A Trip Time at 5.90 x PU	0 ms
FlexCurve A Trip Time at 6.00 x PU	0 ms
FlexCurve A Trip Time at 6.50 x PU	0 ms
FlexCurve A Trip Time at 7.00 x PU	0 ms
FlexCurve A Trip Time at 7.50 x PU	0 ms
FlexCurve A Trip Time at 8.00 x PU	0 ms
FlexCurve A Trip Time at 8.50 x PU	0 ms
FlexCurve A Trip Time at 9.00 x PU	0 ms
FlexCurve A Trip Time at 9.50 x PU	0 ms
FlexCurve A Trip Time at 10.0 x PU	0 ms
FlexCurve A Trip Time at 10.5 x PU	0 ms
FlexCurve A Trip Time at 11.0 x PU	0 ms
FlexCurve A Trip Time at 11.5 x PU	0 ms
FlexCurve A Trip Time at 12.0 x PU	0 ms
FlexCurve A Trip Time at 12.5 x PU	0 ms
FlexCurve A Trip Time at 13.0 x PU	0 ms
FlexCurve A Trip Time at 13.5 x PU	0 ms
FlexCurve A Trip Time at 14.0 x PU	0 ms
FlexCurve A Trip Time at 14.5 x PU	0 ms
FlexCurve A Trip Time at 15.0 x PU	0 ms
FlexCurve A Trip Time at 15.5 x PU	0 ms
FlexCurve A Trip Time at 16.0 x PU	0 ms
FlexCurve A Trip Time at 16.5 x PU	0 ms
FlexCurve A Trip Time at 17.0 x PU	0 ms
FlexCurve A Trip Time at 17.5 x PU	0 ms
FlexCurve A Trip Time at 18.0 x PU	0 ms
FlexCurve A Trip Time at 18.5 x PU	0 ms



Export Settings Report

FlexCurve A Trip Time at 19.0 x PU	0 ms
FlexCurve A Trip Time at 19.5 x PU	0 ms
FlexCurve A Trip Time at 20.0 x PU	0 ms

SYSTEM SETUP - > FLEXCURVE B - > FLEXCURVE B

FlexCurve B Trip Time at 1.03 x PU	0 ms
FlexCurve B Trip Time at 1.05 x PU	0 ms
FlexCurve B Trip Time at 1.10 x PU	0 ms
FlexCurve B Trip Time at 1.20 x PU	0 ms
FlexCurve B Trip Time at 1.30 x PU	0 ms
FlexCurve B Trip Time at 1.40 x PU	0 ms
FlexCurve B Trip Time at 1.50 x PU	0 ms
FlexCurve B Trip Time at 1.60 x PU	0 ms
FlexCurve B Trip Time at 1.70 x PU	0 ms
FlexCurve B Trip Time at 1.80 x PU	0 ms
FlexCurve B Trip Time at 1.90 x PU	0 ms
FlexCurve B Trip Time at 2.00 x PU	0 ms
FlexCurve B Trip Time at 2.10 x PU	0 ms
FlexCurve B Trip Time at 2.20 x PU	0 ms
FlexCurve B Trip Time at 2.30 x PU	0 ms
FlexCurve B Trip Time at 2.40 x PU	0 ms
FlexCurve B Trip Time at 2.50 x PU	0 ms
FlexCurve B Trip Time at 2.60 x PU	0 ms
FlexCurve B Trip Time at 2.70 x PU	0 ms
FlexCurve B Trip Time at 2.80 x PU	0 ms
FlexCurve B Trip Time at 2.90 x PU	0 ms
FlexCurve B Trip Time at 3.00 x PU	0 ms
FlexCurve B Trip Time at 3.10 x PU	0 ms
FlexCurve B Trip Time at 3.20 x PU	0 ms
FlexCurve B Trip Time at 3.30 x PU	0 ms
FlexCurve B Trip Time at 3.40 x PU	0 ms
FlexCurve B Trip Time at 3.50 x PU	0 ms
FlexCurve B Trip Time at 3.60 x PU	0 ms



Export Settings Report

FlexCurve B Trip Time at 3.70 x PU	0 ms
FlexCurve B Trip Time at 3.80 x PU	0 ms
FlexCurve B Trip Time at 3.90 x PU	0 ms
FlexCurve B Trip Time at 4.00 x PU	0 ms
FlexCurve B Trip Time at 4.10 x PU	0 ms
FlexCurve B Trip Time at 4.20 x PU	0 ms
FlexCurve B Trip Time at 4.30 x PU	0 ms
FlexCurve B Trip Time at 4.40 x PU	0 ms
FlexCurve B Trip Time at 4.50 x PU	0 ms
FlexCurve B Trip Time at 4.60 x PU	0 ms
FlexCurve B Trip Time at 4.70 x PU	0 ms
FlexCurve B Trip Time at 4.80 x PU	0 ms
FlexCurve B Trip Time at 4.90 x PU	0 ms
FlexCurve B Trip Time at 5.00 x PU	0 ms
FlexCurve B Trip Time at 5.10 x PU	0 ms
FlexCurve B Trip Time at 5.20 x PU	0 ms
FlexCurve B Trip Time at 5.30 x PU	0 ms
FlexCurve B Trip Time at 5.40 x PU	0 ms
FlexCurve B Trip Time at 5.50 x PU	0 ms
FlexCurve B Trip Time at 5.60 x PU	0 ms
FlexCurve B Trip Time at 5.70 x PU	0 ms
FlexCurve B Trip Time at 5.80 x PU	0 ms
FlexCurve B Trip Time at 5.90 x PU	0 ms
FlexCurve B Trip Time at 6.00 x PU	0 ms
FlexCurve B Trip Time at 6.50 x PU	0 ms
FlexCurve B Trip Time at 7.00 x PU	0 ms
FlexCurve B Trip Time at 7.50 x PU	0 ms
FlexCurve B Trip Time at 8.00 x PU	0 ms
FlexCurve B Trip Time at 8.50 x PU	0 ms
FlexCurve B Trip Time at 9.00 x PU	0 ms
FlexCurve B Trip Time at 9.50 x PU	0 ms
FlexCurve B Trip Time at 10.0 x PU	0 ms
FlexCurve B Trip Time at 10.5 x PU	0 ms



Export Settings Report

FlexCurve B Trip Time at 11.0 x PU	0 ms
FlexCurve B Trip Time at 11.5 x PU	0 ms
FlexCurve B Trip Time at 12.0 x PU	0 ms
FlexCurve B Trip Time at 12.5 x PU	0 ms
FlexCurve B Trip Time at 13.0 x PU	0 ms
FlexCurve B Trip Time at 13.5 x PU	0 ms
FlexCurve B Trip Time at 14.0 x PU	0 ms
FlexCurve B Trip Time at 14.5 x PU	0 ms
FlexCurve B Trip Time at 15.0 x PU	0 ms
FlexCurve B Trip Time at 15.5 x PU	0 ms
FlexCurve B Trip Time at 16.0 x PU	0 ms
FlexCurve B Trip Time at 16.5 x PU	0 ms
FlexCurve B Trip Time at 17.0 x PU	0 ms
FlexCurve B Trip Time at 17.5 x PU	0 ms
FlexCurve B Trip Time at 18.0 x PU	0 ms
FlexCurve B Trip Time at 18.5 x PU	0 ms
FlexCurve B Trip Time at 19.0 x PU	0 ms
FlexCurve B Trip Time at 19.5 x PU	0 ms
FlexCurve B Trip Time at 20.0 x PU	0 ms

LOGIC INPUTS - > LOGIC INPUT SETUP - > LOGIC INPUT SETUP

Logic Input 1	Breaker Closed
Logic Input 2	Breaker Racked in
Logic Input 3	Handle in Local
Logic Input 4	Logic Input 4
Logic Input 5	Logic Input 5
Logic Input 6	Logic Input 6
Logic Input 7	Logic Input 7
Logic Input 8	Virtural Loco Remo
Logic Input 9	Virtural Reset
Logic Input 10	Virtural Trip
Logic Input 11	Virtural Close
Logic Input 12	Logic Input 12



Export Settings Report

Logic Input 13	Logic Input 13
Logic Input 14	Logic Input 14
Logic Input 15	Logic Input 15
Logic Input 16	Logic Input 16
Logic Input 17	Logic Input 17
Logic Input 18	Logic Input 18
Logic Input 19	Logic Input 19
Logic Input 20	Logic Input 20
Logic Input 1 Asserted Logic	Contact Close
Logic Input 2 Asserted Logic	Contact Close
Logic Input 3 Asserted Logic	Contact Open
Logic Input 4 Asserted Logic	Contact Close
Logic Input 5 Asserted Logic	Contact Close
Logic Input 6 Asserted Logic	Contact Close
Logic Input 7 Asserted Logic	Contact Close
Logic Input 8 Asserted Logic	Virtual On
Logic Input 9 Asserted Logic	Virtual On
Logic Input 10 Asserted Logic	Virtual On
Logic Input 11 Asserted Logic	Virtual On
Logic Input 12 Asserted Logic	Contact Close
Logic Input 13 Asserted Logic	Contact Close
Logic Input 14 Asserted Logic	Contact Close
Logic Input 15 Asserted Logic	Disabled
Logic Input 16 Asserted Logic	Disabled
Logic Input 17 Asserted Logic	Disabled
Logic Input 18 Asserted Logic	Disabled
Logic Input 19 Asserted Logic	Disabled
Logic Input 20 Asserted Logic	Disabled

LOGIC INPUTS - > BREAKER FUNCTIONS - > BREAKER FUNCTIONS

52a Contact	Input 1
52b Contact	Disabled
Breaker Connected	Input 2



Export Settings Report

LOGIC INPUTS - > CONTROL FUNCTIONS - > CONTROL FUNCTIONS

Local Mode	Input 3
Reset	Input 9
Remote Open	Input 10
Remote Close	Input 11
Cold Load Pickup	Disabled
Setpoint Group 2	Disabled
Setpoint Group 3	Disabled
Setpoint Group 4	Disabled

LOGIC INPUTS - > USER INPUTS - > USER INPUT A

User Input A Name	LOCAL
User Input A Source	Disabled
User Input A Function	Disabled
User Input A: Relay 3	Do Not Operate
User Input A: Relay 4	Do Not Operate
User Input A: Relay 5	Do Not Operate
User Input A: Relay 6	Do Not Operate
User Input A: Relay 7	Do Not Operate
User Input A Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT B

User Input B Name	User Input B
User Input B Source	Disabled
User Input B Function	Disabled
User Input B: Relay 3	Do Not Operate
User Input B: Relay 4	Do Not Operate
User Input B: Relay 5	Do Not Operate
User Input B: Relay 6	Do Not Operate
User Input B: Relay 7	Do Not Operate
User Input B Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT C



Export Settings Report

User Input C Name	User Input C
User Input C Source	Disabled
User Input C Function	Disabled
User Input C: Relay 3	Do Not Operate
User Input C: Relay 4	Do Not Operate
User Input C: Relay 5	Do Not Operate
User Input C: Relay 6	Do Not Operate
User Input C: Relay 7	Do Not Operate
User Input C Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT D

User Input D Name	User Input D
User Input D Source	Disabled
User Input D Function	Disabled
User Input D: Relay 3	Do Not Operate
User Input D: Relay 4	Do Not Operate
User Input D: Relay 5	Do Not Operate
User Input D: Relay 6	Do Not Operate
User Input D: Relay 7	Do Not Operate
User Input D Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT E

User Input E Name	User Input E
User Input E Source	Disabled
User Input E Function	Disabled
User Input E: Relay 3	Do Not Operate
User Input E: Relay 4	Do Not Operate
User Input E: Relay 5	Do Not Operate
User Input E: Relay 6	Do Not Operate
User Input E: Relay 7	Do Not Operate
User Input E Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT F



Export Settings Report

User Input F Name	User Input F
User Input F Source	Disabled
User Input F Function	Disabled
User Input F: Relay 3	Do Not Operate
User Input F: Relay 4	Do Not Operate
User Input F: Relay 5	Do Not Operate
User Input F: Relay 6	Do Not Operate
User Input F: Relay 7	Do Not Operate
User Input F Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT G

User Input G Name	User Input G
User Input G Source	Disabled
User Input G Function	Disabled
User Input G: Relay 3	Do Not Operate
User Input G: Relay 4	Do Not Operate
User Input G: Relay 5	Do Not Operate
User Input G: Relay 6	Do Not Operate
User Input G: Relay 7	Do Not Operate
User Input G Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT H

User Input H Name	User Input H
User Input H Source	Disabled
User Input H Function	Disabled
User Input H: Relay 3	Do Not Operate
User Input H: Relay 4	Do Not Operate
User Input H: Relay 5	Do Not Operate
User Input H: Relay 6	Do Not Operate
User Input H: Relay 7	Do Not Operate
User Input H Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT I



Export Settings Report

User Input I Name	User Input I
User Input I Source	Disabled
User Input I Function	Disabled
User Input I: Relay 3	Do Not Operate
User Input I: Relay 4	Do Not Operate
User Input I: Relay 5	Do Not Operate
User Input I: Relay 6	Do Not Operate
User Input I: Relay 7	Do Not Operate
User Input I Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT J

User Input J Name	User Input J
User Input J Source	Disabled
User Input J Function	Disabled
User Input J: Relay 3	Do Not Operate
User Input J: Relay 4	Do Not Operate
User Input J: Relay 5	Do Not Operate
User Input J: Relay 6	Do Not Operate
User Input J: Relay 7	Do Not Operate
User Input J Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT K

User Input K Name	User Input K
User Input K Source	Disabled
User Input K Function	Disabled
User Input K: Relay 3	Do Not Operate
User Input K: Relay 4	Do Not Operate
User Input K: Relay 5	Do Not Operate
User Input K: Relay 6	Do Not Operate
User Input K: Relay 7	Do Not Operate
User Input K Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT L



Export Settings Report

User Input L Name	User Input L
User Input L Source	Disabled
User Input L Function	Disabled
User Input L: Relay 3	Do Not Operate
User Input L: Relay 4	Do Not Operate
User Input L: Relay 5	Do Not Operate
User Input L: Relay 6	Do Not Operate
User Input L: Relay 7	Do Not Operate
User Input L Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT M

User Input M Name	User Input M
User Input M Source	Disabled
User Input M Function	Disabled
User Input M: Relay 3	Do Not Operate
User Input M: Relay 4	Do Not Operate
User Input M: Relay 5	Do Not Operate
User Input M: Relay 6	Do Not Operate
User Input M: Relay 7	Do Not Operate
User Input M Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT N

User Input N Name	User Input N
User Input N Source	Disabled
User Input N Function	Disabled
User Input N: Relay 3	Do Not Operate
User Input N: Relay 4	Do Not Operate
User Input N: Relay 5	Do Not Operate
User Input N: Relay 6	Do Not Operate
User Input N: Relay 7	Do Not Operate
User Input N Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT O



Export Settings Report

User Input O Name	User Input O
User Input O Source	Disabled
User Input O Function	Disabled
User Input O: Relay 3	Do Not Operate
User Input O: Relay 4	Do Not Operate
User Input O: Relay 5	Do Not Operate
User Input O: Relay 6	Do Not Operate
User Input O: Relay 7	Do Not Operate
User Input O Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT P

User Input P Name	User Input P
User Input P Source	Disabled
User Input P Function	Disabled
User Input P: Relay 3	Do Not Operate
User Input P: Relay 4	Do Not Operate
User Input P: Relay 5	Do Not Operate
User Input P: Relay 6	Do Not Operate
User Input P: Relay 7	Do Not Operate
User Input P Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT Q

User Input Q Name	User Input Q
User Input Q Source	Disabled
User Input Q Function	Disabled
User Input Q: Relay 3	Do Not Operate
User Input Q: Relay 4	Do Not Operate
User Input Q: Relay 5	Do Not Operate
User Input Q: Relay 6	Do Not Operate
User Input Q: Relay 7	Do Not Operate
User Input Q Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT R



Export Settings Report

User Input R Name	User Input R
User Input R Source	Disabled
User Input R Function	Disabled
User Input R: Relay 3	Do Not Operate
User Input R: Relay 4	Do Not Operate
User Input R: Relay 5	Do Not Operate
User Input R: Relay 6	Do Not Operate
User Input R: Relay 7	Do Not Operate
User Input R Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT S

User Input S Name	User Input S
User Input S Source	Disabled
User Input S Function	Disabled
User Input S: Relay 3	Do Not Operate
User Input S: Relay 4	Do Not Operate
User Input S: Relay 5	Do Not Operate
User Input S: Relay 6	Do Not Operate
User Input S: Relay 7	Do Not Operate
User Input S Delay	0.00 s

LOGIC INPUTS - > USER INPUTS - > USER INPUT T

User Input T Name	User Input T
User Input T Source	Disabled
User Input T Function	Disabled
User Input T: Relay 3	Do Not Operate
User Input T: Relay 4	Do Not Operate
User Input T: Relay 5	Do Not Operate
User Input T: Relay 6	Do Not Operate
User Input T: Relay 7	Do Not Operate
User Input T Delay	0.00 s

LOGIC INPUTS - > BLOCK FUNCTIONS - > BLOCK FUNCTIONS



Export Settings Report

Block 1 Trip Relay	Disabled
Block 2 CLOSE Relay	Disabled
Block Reset	Disabled
Block Undervoltage 1	Disabled
Block Undervoltage 2	Disabled
Block Undervoltage 3	Disabled
Block Undervoltage 4	Disabled
Block Underfrequency 1	Disabled
Block Underfrequency 2	Disabled
Bypass Synchrocheck	Disabled
Block Breaker Statistics	Disabled
Block Negative Sequence Voltage	Disabled
Block Restoration	Disabled
Block Frequency Decay	Disabled
Block Neutral Displacement	Disabled

LOGIC INPUTS - > BLOCK OVERCURRENT FUNCTIONS - > BLOCK OVERCURRENT FUNCTIONS

Block All OC	Disabled
Block Phase OC	Disabled
Block Neutral OC	Disabled
Block Ground OC	Disabled
Block Phase Time 1	Disabled
Block Phase Time 2	Disabled
Block Phase Inst 1	Disabled
Block Phase Inst 2	Disabled
Block Neutral Time 1	Disabled
Block Neutral Time 2	Disabled
Block Neutral Inst 1	Disabled
Block Neutral Inst 2	Disabled
Block Ground Time	Disabled
Block Ground Inst	Disabled
Block Negative Sequence Time	Disabled
Block Negative Sequence Inst	Disabled



Export Settings Report

Block Sensv Gnd OC	Disabled
Block Sensv Gnd Time	Disabled
Block Sensv Gnd Inst	Disabled

LOGIC INPUTS - > TRANSFER FUNCTIONS - > TRANSFER FUNCTIONS

Selected To Trip	Disabled
Undervoltage on Other Source	Disabled
Incomer 1 Breaker Closed	Disabled
Incomer 2 Breaker Closed	Disabled
Tie Breaker Connected	Disabled
Tie Breaker Closed	Disabled
Block Transfer	Disabled
Transformer Lockout	Disabled
Source Trip	Disabled
Close From Incomer 1	Disabled
Close From Incomer 2	Disabled

LOGIC INPUTS - > MISCELLANEOUS FUNCTIONS - > MISCELLANEOUS FUNCTIONS

Trigger Trace Memory	Disabled
Trigger Data Logger	Disabled
Simulate Fault	Disabled
Start Demand Interval	Disabled

OUTPUT RELAYS - > 1 TRIP - > 1 TRIP

1 TRIP Seal In Time	0.04 s
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OUTPUT RELAYS - > 2 CLOSE - > 2 CLOSE

2 CLOSE Seal In Time	0.04 s
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OUTPUT RELAYS - > 3 AUXILIARY - > 3 AUXILIARY

3 AUXILIARY Name	3 AUXILIARY
3 AUXILIARY Non-operated State	De-energized
3 AUXILIARY Output Type	Self-Resetting

OUTPUT RELAYS - > 4 AUXILIARY - > 4 AUXILIARY



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4 AUXILIARY Name	4 AUXILIARY
4 AUXILIARY Non-operated State	De-energized
4 AUXILIARY Output Type	Self-Resetting

OUTPUT RELAYS - > 5 AUXILIARY - > 5 AUXILIARY

5 AUXILIARY Name	5 AUXILIARY
5 AUXILIARY Non-operated State	De-energized
5 AUXILIARY Output Type	Self-Resetting

OUTPUT RELAYS - > 6 AUXILIARY - > 6 AUXILIARY

6 AUXILIARY Name	6 AUXILIARY
6 AUXILIARY Non-operated State	De-energized
6 AUXILIARY Output Type	Self-Resetting

OUTPUT RELAYS - > 7 AUXILIARY - > 7 AUXILIARY

7 AUXILIARY Name	7 AUXILIARY
7 AUXILIARY Non-operated State	De-energized
7 AUXILIARY Output Type	Self-Resetting

PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 1

Phase Time Overcurrent 1 Function	Trip
Phase Time Overcurrent 1: Relay 3	Do Not Operate
Phase Time Overcurrent 1: Relay 4	Do Not Operate
Phase Time Overcurrent 1: Relay 5	Do Not Operate
Phase Time Overcurrent 1: Relay 6	Do Not Operate
Phase Time Overcurrent 1: Relay 7	Do Not Operate
Phase Time Overcurrent 1 Pickup(Setpoints)	8.85 x CT
Phase Time Overcurrent 1 Curve	Extremely Inverse
Phase Time Overcurrent 1 Multiplier	5.00
Phase Time Overcurrent 1 Reset	Instantaneous
Phase Time Overcurrent 1 Direction	Disabled
Phase Time Overcurrent 1 Voltage Restraint	Disabled

PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 1



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Phase Instantaneous Overcurrent 1 Function	Disabled
Phase Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 1 Delay	0.00 s
Phases Required for Operation(O/C 1)	Any One
Phase Instantaneous Overcurrent 1 Direction	Disabled

PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 2

Phase Instantaneous Overcurrent 2 Function	Disabled
Phase Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 6	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 2 Delay	0.00 s
Phase Required for Operation(O/C 2)	Any One
Phase Instantaneous Overcurrent 2 Direction	Disabled

PROTECTION - > PHASE CURRENT - > PHASE DIRECTIONAL

Phase Directional Function	Disabled
Phase Directional: Relay 3	Do Not Operate
Phase Directional: Relay 4	Do Not Operate
Phase Directional: Relay 5	Do Not Operate
Phase Directional: Relay 6	Do Not Operate
Phase Directional: Relay 7	Do Not Operate
Phase Directional Maximum Torque Angle	30 ° Lead
Minimum Polarizing Voltage	0.05 x VT
Block OC When Voltage Memory Expires	Disabled



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PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 2

Phase Time Overcurrent 2 Function	Disabled
Phase Time Overcurrent 2: Relay 3	Do Not Operate
Phase Time Overcurrent 2: Relay 4	Do Not Operate
Phase Time Overcurrent 2: Relay 5	Do Not Operate
Phase Time Overcurrent 2: Relay 6	Do Not Operate
Phase Time Overcurrent 2: Relay 7	Do Not Operate
Phase Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Time Overcurrent 2 Curve	Extremely Inverse
Phase Time Overcurrent 2 Multiplier	1.00
Phase Time Overcurrent 2 Reset	Instantaneous
Phase Time Overcurrent 2 Direction	Disabled
Phase Time Overcurrent 2 Voltage Restraint	Disabled

PROTECTION - > GROUND CURRENT - > GROUND TIME OVERCURRENT

Ground Time Overcurrent Function	Trip
Ground Time Overcurrent: Relay 3	Do Not Operate
Ground Time Overcurrent: Relay 4	Do Not Operate
Ground Time Overcurrent: Relay 5	Do Not Operate
Ground Time Overcurrent: Relay 6	Do Not Operate
Ground Time Overcurrent: Relay 7	Do Not Operate
Ground Time Overcurrent Pickup(Setpoints)	0.20 x CT
Ground Time Overcurrent Curve	Extremely Inverse
Ground Time Overcurrent Multiplier	1.00
Ground Time Overcurrent Reset	Instantaneous
Ground Time Overcurrent Direction	Disabled

PROTECTION - > GROUND CURRENT - > GROUND INSTANTANEOUS OVERCURRENT

Ground Instantaneous Overcurrent Function	Disabled
Ground Instantaneous Overcurrent: Relay 3	Do Not Operate
Ground Instantaneous Overcurrent: Relay 4	Do Not Operate
Ground Instantaneous Overcurrent: Relay 5	Do Not Operate



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Ground Instantaneous Overcurrent: Relay 6	Do Not Operate
Ground Instantaneous Overcurrent: Relay 7	Do Not Operate
Ground Instantaneous Overcurrent Pickup(Setpoints)	1.00 x CT
Ground Instantaneous Overcurrent Delay	0.00 s
Ground Instantaneous Overcurrent Direction	Disabled

PROTECTION - > GROUND CURRENT - > GROUND DIRECTIONAL

Ground Directional Function	Disabled
Ground Directional: Relay 3	Do Not Operate
Ground Directional: Relay 4	Do Not Operate
Ground Directional: Relay 5	Do Not Operate
Ground Directional: Relay 6	Do Not Operate
Ground Directional: Relay 7	Do Not Operate
Ground Directional Polarizing	Voltage
Ground Directional Maximum Torque Angle	315 ° Lead
Ground Directional Minimum Polarizing Voltage	0.05 x VT

PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 1

Neutral Time Overcurrent 1 Function	Disabled
Neutral Time Overcurrent 1: Relay 3	Do Not Operate
Neutral Time Overcurrent 1: Relay 4	Do Not Operate
Neutral Time Overcurrent 1: Relay 5	Do Not Operate
Neutral Time Overcurrent 1: Relay 6	Do Not Operate
Neutral Time Overcurrent 1: Relay 7	Do Not Operate
Neutral Time Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 1 Curve	Extremely Inverse
Neutral Time Overcurrent 1 Multiplier	1.00
Neutral Time Overcurrent 1 Reset Time	Instantaneous
Neutral Time Overcurrent 1 Direction	Disabled

PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT 1

Neutral Instantaneous Overcurrent 1 Function	Disabled
Neutral Instantaneous Overcurrent 1: Relay 3	Do Not Operate



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Neutral Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 5	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 1 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 1 Delay	0.00 s
Neutral Instantaneous Overcurrent 1 Direction	Disabled

PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT 2

Neutral Instantaneous Overcurrent 2 Function	Disabled
Neutral Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 2 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 2 Delay	0.00 s
Neutral Instantaneous Overcurrent 2 Direction	Disabled

PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 2

Neutral Time Overcurrent 2 Function	Disabled
Neutral Time Overcurrent 2: Relay 3	Do Not Operate
Neutral Time Overcurrent 2: Relay 4	Do Not Operate
Neutral Time Overcurrent 2: Relay 5	Do Not Operate
Neutral Time Overcurrent 2: Relay 6	Do Not Operate
Neutral Time Overcurrent 2: Relay 7	Do Not Operate
Neutral Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 2 Curve	Extremely Inverse
Neutral Time Overcurrent 2 Multiplier	1.00
Neutral Time Overcurrent 2 Reset	Instantaneous
Neutral Time Overcurrent 2 Direction	Disabled

PROTECTION - > NEUTRAL CURRENT - > NEUTRAL DIRECTIONAL



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Neutral Directional Function	Disabled
Neutral Directional: Relay 3	Do Not Operate
Neutral Directional: Relay 4	Do Not Operate
Neutral Directional: Relay 5	Do Not Operate
Neutral Directional: Relay 6	Do Not Operate
Neutral Directional: Relay 7	Do Not Operate
Neutral Directional Polarizing	Voltage
Neutral Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Neutral Directional)	0.05 x VT

PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE TIME OVERCURRENT

Negative Sequence Time Overcurrent Function	Disabled
Negative Sequence Time Overcurrent: Relay 3	Do Not Operate
Negative Sequence Time Overcurrent: Relay 4	Do Not Operate
Negative Sequence Time Overcurrent: Relay 5	Do Not Operate
Negative Sequence Time Overcurrent: Relay 6	Do Not Operate
Negative Sequence Time Overcurrent: Relay 7	Do Not Operate
Negative Sequence Time Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Time Overcurrent Curve	Extremely Inverse
Negative Sequence Time Overcurrent Multiplier	1.00
Negative Sequence Time Overcurrent Reset	Instantaneous
Negative Sequence Time Overcurrent Direction	Disabled

PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE INST OVERCURRENT

Negative Sequence Inst. Overcurrent Function	Disabled
Negative Sequence Inst. Overcurrent: Relay 3	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 4	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 5	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 6	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 7	Do Not Operate
Negative Sequence Inst. Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Inst. Overcurrent Delay	0.00 s



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Negative Sequence Inst. Overcurrent Direction	Disabled
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PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE VOLTAGE

Negative Sequence Voltage Function	Disabled
Negative Sequence Voltage: Relay 3	Do Not Operate
Negative Sequence Voltage: Relay 4	Do Not Operate
Negative Sequence Voltage: Relay 5	Do Not Operate
Negative Sequence Voltage: Relay 6	Do Not Operate
Negative Sequence Voltage: Relay 7	Do Not Operate
Negative Sequence Voltage Pickup(Setpoints)	0.10 x VT
Negative Sequence Voltage: Delay	2.0 s

PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE DIRECTIONAL

Negative Sequence Directional Function	Disabled
Negative Sequence Directional: Relay 3	Do Not Operate
Negative Sequence Directional: Relay 4	Do Not Operate
Negative Sequence Directional: Relay 5	Do Not Operate
Negative Sequence Directional: Relay 6	Do Not Operate
Negative Sequence Directional: Relay 7	Do Not Operate
Neg Seq Directional Maximum Torque Angle (MTA)	315 ° Lead
Minimum Polarizing Voltage (Negative Sequence Directional)	0.05 x VT

PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND INSTANTANEOUS OC

Sensitive Ground Inst. Overcurrent Function	Disabled
Sensitive Ground Inst. Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Inst. Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Inst. Overcurrent Delay	0.00 s
Sensitive Ground Inst. Overcurrent Direction	Disabled



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PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND TIME OC

Sensitive Ground Time Overcurrent Function	Disabled
Sensitive Ground Time Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Time Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Time Overcurrent Curve	Extremely Inverse
Sensitive Ground Time Overcurrent Multiplier	1.00
Sensitive Ground Time Overcurrent Reset	Instantaneous
Sensitive Ground Time Overcurrent Direction	Disabled

PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND DIRECTIONAL

Sensitive Ground Directional Function	Disabled
Sensitive Ground Directional: Relay 3	Do Not Operate
Sensitive Ground Directional: Relay 4	Do Not Operate
Sensitive Ground Directional: Relay 5	Do Not Operate
Sensitive Ground Directional: Relay 6	Do Not Operate
Sensitive Ground Directional: Relay 7	Do Not Operate
Sensitive Ground Directional Polarizing	Voltage
Sensitive Ground Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Sensitive Ground Directional)	0.05 x VT

PROTECTION - > SENSITIVE GROUND CURRENT - > RESTRICTED EARTH FAULT

Restricted Earth Fault Function	Disabled
Restricted Earth Fault: Relay 3	Do Not Operate
Restricted Earth Fault: Relay 4	Do Not Operate
Restricted Earth Fault: Relay 5	Do Not Operate
Restricted Earth Fault: Relay 6	Do Not Operate
Restricted Earth Fault: Relay 7	Do Not Operate
Restricted Earth Fault Pickup(Setpoints)	0.100 x CT



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Restricted Earth Fault Delay	0.00 s
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PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 1

Bus Undervoltage 1 Function	Disabled
Bus UnderVoltage 1: Relay 3	Do Not Operate
Bus UnderVoltage 1: Relay 4	Do Not Operate
Bus UnderVoltage 1: Relay 5	Do Not Operate
Bus UnderVoltage 1: Relay 6	Do Not Operate
Bus UnderVoltage 1: Relay 7	Do Not Operate
Bus Undervoltage 1 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 1 Curve	Definite Time
Bus Undervoltage 1 Delay	2.0 s
Bus Undervoltage 1 Phases Required for Operation	All Three
Bus Undervoltage 1 Minimum Operating Voltage	0.30 x VT

PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 2

Bus Undervoltage 2 Function	Disabled
Bus UnderVoltage 2: Relay 3	Do Not Operate
Bus UnderVoltage 2: Relay 4	Do Not Operate
Bus UnderVoltage 2: Relay 5	Do Not Operate
Bus UnderVoltage 2: Relay 6	Do Not Operate
Bus UnderVoltage 2: Relay 7	Do Not Operate
Bus Undervoltage 2 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 2 Curve	Definite Time
Bus Undervoltage 2 Delay	2.0 s
Bus Undervoltage 2 Phases Required for Operation	All Three
Bus Undervoltage 2 Minimum Operating Voltage	0.30 x VT

PROTECTION - > VOLTAGE - > OVERVOLTAGE 1

Overvoltage 1 Function	Disabled
Overvoltage 1: Relay 3	Do Not Operate
Overvoltage 1: Relay 4	Do Not Operate
Overvoltage 1: Relay 5	Do Not Operate



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Overvoltage 1: Relay 6	Do Not Operate
Overvoltage 1: Relay 7	Do Not Operate
Overvoltage 1 Pickup(Setpoints)	1.25 x VT
Overvoltage 1 Delay	2.0 s
Overvoltage 1 Phases Required for Operation	All Three

PROTECTION - > VOLTAGE - > OVERVOLTAGE 2

Overvoltage 2 Function	Disabled
Overvoltage 2: Relay 3	Do Not Operate
Overvoltage 2: Relay 4	Do Not Operate
Overvoltage 2: Relay 5	Do Not Operate
Overvoltage 2: Relay 6	Do Not Operate
Overvoltage 2: Relay 7	Do Not Operate
Overvoltage 2 Pickup(Setpoints)	1.25 x VT
Overvoltage 2 Delay	2.0 s
Overvoltage 2 Phases Required for Operation	All Three

PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 3

Line Undervoltage 3 Function	Disabled
Line Undervoltage 3: Relay 3	Do Not Operate
Line Undervoltage 3: Relay 4	Do Not Operate
Line Undervoltage 3: Relay 5	Do Not Operate
Line Undervoltage 3: Relay 6	Do Not Operate
Line Undervoltage 3: Relay 7	Do Not Operate
Line Undervoltage 3 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 3 Curve	Definite Time
Line Undervoltage 3 Delay	2.0 s
Line Undervoltage 3 Minimum Operating Voltage	0.30 x VT

PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 4

Line Undervoltage 4 Function	Disabled
Line Undervoltage 4: Relay 3	Do Not Operate
Line Undervoltage 4: Relay 4	Do Not Operate



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Line Undervoltage 4: Relay 5	Do Not Operate
Line Undervoltage 4: Relay 6	Do Not Operate
Line Undervoltage 4: Relay 7	Do Not Operate
Line Undervoltage 4 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 4 Curve	Definite Time
Line Undervoltage 4 Delay	2.0 s
Line Undervoltage 4 Minimum Operating Voltage	0.30 x VT

PROTECTION - > VOLTAGE - > NEUTRAL DISPLACEMENT

Neutral Displacement Function	Disabled
Neutral Displacement: Relay 3	Do Not Operate
Neutral Displacement: Relay 4	Do Not Operate
Neutral Displacement: Relay 5	Do Not Operate
Neutral Displacement: Relay 6	Do Not Operate
Neutral Displacement: Relay 7	Do Not Operate
Neutral Displacement Pickup(Setpoints)	1.00 x VT
Neutral Displacement Curve	Extremely Inverse
Neutral Displacement Multiplier	1.00
Neutral Displacement Reset Time	Instantaneous

PROTECTION - > FREQUENCY - > UNDERFREQUENCY 1

Underfrequency 1 Function	Disabled
Underfrequency 1: Relay 3	Do Not Operate
Underfrequency 1: Relay 4	Do Not Operate
Underfrequency 1: Relay 5	Do Not Operate
Underfrequency 1: Relay 6	Do Not Operate
Underfrequency 1: Relay 7	Do Not Operate
Underfrequency 1 Pickup(Setpoints)	59.00 Hz
Underfrequency 1 Delay	2.00 s
Underfrequency 1 Minimum Operating Voltage	0.70 x VT
Underfrequency 1 Minimum Operating Current	0.20 x CT

PROTECTION - > FREQUENCY - > UNDERFREQUENCY 2



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Underfrequency 2 Function	Disabled
Underfrequency 2: Relay 3	Do Not Operate
Underfrequency 2: Relay 4	Do Not Operate
Underfrequency 2: Relay 5	Do Not Operate
Underfrequency 2: Relay 6	Do Not Operate
Underfrequency 2: Relay 7	Do Not Operate
Underfrequency 2 Pickup(Setpoints)	58.00 Hz
Underfrequency 2 Delay	3.00 s
Underfrequency 2 Minimum Operating Voltage	0.70 x VT
Underfrequency 2 Minimum Operating Current	0.20 x CT

PROTECTION - > FREQUENCY - > FREQUENCY DECAY

Frequency Decay Function	Disabled
Frequency Decay: Relay 3	Do Not Operate
Frequency Decay: Relay 4	Do Not Operate
Frequency Decay: Relay 5	Do Not Operate
Frequency Decay: Relay 6	Do Not Operate
Frequency Decay: Relay 7	Do Not Operate
Frequency Decay Rate	1.0 Hz/s
Frequency Decay Pickup(Setpoints)	59.00 Hz
Frequency Decay Delay	2.00 s
Frequency Decay Minimum Operating Voltage	0.70 x VT
Frequency Decay Minimum Operating Current	0.00 x CT

PROTECTION - > BREAKER FAILURE - > BREAKER FAILURE

Breaker Failure Function	Disabled
Breaker Failure: Relay 3	Do Not Operate
Breaker Failure: Relay 4	Do Not Operate
Breaker Failure: Relay 5	Do Not Operate
Breaker Failure: Relay 6	Do Not Operate
Breaker Failure: Relay 7	Do Not Operate
Breaker Failure Delay 1	0.10 s
Breaker Failure Delay 2	0.00 s



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Breaker Failure Current	1.00 x CT
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MONITORING - > CURRENT LEVEL - > PHASE CURRENT LEVEL

Phase Current Level Function	Disabled
Phase Current Level: Relay 3	Do Not Operate
Phase Current Level: Relay 4	Do Not Operate
Phase Current Level: Relay 5	Do Not Operate
Phase Current Level: Relay 6	Do Not Operate
Phase Current Level: Relay 7	Do Not Operate
Phase Current Level Pickup(Setpoints)	1.10 x CT
Phase Current Level Delay	2 s

MONITORING - > CURRENT LEVEL - > NEUTRAL CURRENT LEVEL

Neutral Current Level Function	Disabled
Neutral Current Level:Relay 3	Do Not Operate
Neutral Current Level: Relay 4	Do Not Operate
Neutral Current Level: Relay 5	Do Not Operate
Neutral Current Level: Relay 6	Do Not Operate
Neutral Current Level: Relay 7	Do Not Operate
Neutral Current Level Pickup(Setpoints)	1.10 x CT
Neutral Current Level Delay	2 s

MONITORING - > POWER FACTOR - > POWER FACTOR 1

Power Factor 1 Function	Disabled
Power Factor 1: Relay 3	Do Not Operate
Power Factor 1: Relay 4	Do Not Operate
Power Factor 1: Relay 5	Do Not Operate
Power Factor 1: Relay 6	Do Not Operate
Power Factor 1: Relay 7	Do Not Operate
Power Factor 1 Pickup (+ Lag; - Lead)	0.00
Power Factor 1 Dropout (+ Lag; - Lead)	0.00
Power Factor 1 Delay	50 s

MONITORING - > POWER FACTOR - > POWER FACTOR 2



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Power Factor 2 Function	Disabled
Power Factor 2: Relay 3	Do Not Operate
Power Factor 2: Relay 4	Do Not Operate
Power Factor 2: Relay 5	Do Not Operate
Power Factor 2: Relay 6	Do Not Operate
Power Factor 2: Relay 7	Do Not Operate
Power Factor 2 Pickup (+ Lag; - Lead)	0.00
Power Factor 2 Dropout (+ Lag; - Lead)	0.00
Power Factor 2 Delay	50 s

MONITORING - > FAULT LOCATOR - > FAULT LOCATOR

Length of Feeder	0.1
Units of Length	km
Zpos (Resistive) of Feeder	0.01 Ohm
Zpos (Inductive) of Feeder	0.01 Ohm
Zzero (Resistive) of Feeder	0.01 Ohm
Zzero (Inductive) of Feeder	0.01 Ohm
Fault Type Output to Relays 4 to 7	Disabled
Fault Location After Trip	Disabled

MONITORING - > DEMAND - > CURRENT DEMAND.

Current Demand Function	Disabled
Current Demand Measurement Type	Thermal Exponential
Current Demand Thermal 90% Response	5 min
Current Demand: Relay 3	Do Not Operate
Current Demand: Relay 4	Do Not Operate
Current Demand: Relay 5	Do Not Operate
Current Demand: Relay 6	Do Not Operate
Current Demand: Relay 7	Do Not Operate
Current Demand Pickup(Setpoints)	1000 A

MONITORING - > DEMAND - > REAL POWER DEMAND.

Real Power Demand Function	Disabled
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Real Power Demand Measurement Type	Thermal Exponential
Real Power Demand Thermal 90% Response	5 min
Real Power Demand: Relay 3	Do Not Operate
Real Power Demand: Relay 4	Do Not Operate
Real Power Demand: Relay 5	Do Not Operate
Real Power Demand: Relay 6	Do Not Operate
Real Power Demand: Relay 7	Do Not Operate
Real Power Demand Pickup(Setpoints)	10.0 MW

MONITORING - > DEMAND - > REACTIVE POWER.

Reactive Power Demand Function	Disabled
Reactive Power Demand Measurement Type	Thermal Exponential
Reactive Power Demand Thermal 90% Response	5 min
Reactive Power Demand: Relay 3	Do Not Operate
Reactive Power Demand: Relay 4	Do Not Operate
Reactive Power Demand: Relay 5	Do Not Operate
Reactive Power Demand: Relay 6	Do Not Operate
Reactive Power Demand: Relay 7	Do Not Operate
Reactive Power Demand Pickup(Setpoints)	10.0 Mvar

MONITORING - > DEMAND - > APPARENT POWER DEMAND.

Apparent Power Demand Function	Disabled
Apparent Power Demand Measurement Type	Thermal Exponential
App. Power Demand Thermal 90% Response	5 min
Apparent Power Demand: Relay 3	Do Not Operate
Apparent Power Demand: Relay 4	Do Not Operate
Apparent Power Demand: Relay 5	Do Not Operate
Apparent Power Demand: Relay 6	Do Not Operate
Apparent Power Demand: Relay 7	Do Not Operate
Apparent Power Demand Pickup(Setpoints)	10.0 MVA

MONITORING - > PULSE OUTPUT. - > PULSE OUTPUT.

Pulse Output Function	Disabled
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Positive Watthours Pulse Output: Relay 3	Do Not Operate
Positive Watthours Pulse Output: Relay 4	Do Not Operate
Positive Watthours Pulse Output: Relay 5	Do Not Operate
Positive Watthours Pulse Output: Relay 6	Do Not Operate
Positive Watthours Pulse Output: Relay 7	Do Not Operate
Positive Watthours Pulse Interval	10.0 MWh
Negative Watthours Pulse Output: Relay 3	Do Not Operate
Negative Watthours Pulse Output: Relay 4	Do Not Operate
Negative Watthours Pulse Output: Relay 5	Do Not Operate
Negative Watthours Pulse Output: Relay 6	Do Not Operate
Negative Watthours Pulse Output: Relay 7	Do Not Operate
Negative Watthours Pulse Interval	10.0 MWh
Positive Varhours Pulse Output: Relay 3	Do Not Operate
Positive Varhours Pulse Output: Relay 4	Do Not Operate
Positive Varhours Pulse Output: Relay 5	Do Not Operate
Positive Varhours Pulse Output: Relay 6	Do Not Operate
Positive Varhours Pulse Output: Relay 7	Do Not Operate
Positive Varhours Pulse Interval	10.0 Mvarh
Negative Varhours Pulse Output: Relay 3	Do Not Operate
Negative Varhours Pulse Output: Relay 4	Do Not Operate
Negative Varhours Pulse Output: Relay 5	Do Not Operate
Negative Varhours Pulse Output: Relay 6	Do Not Operate
Negative Varhours Pulse Output: Relay 7	Do Not Operate
Negative Varhours Pulse Interval	10.0 Mvarh

MONITORING - > ANALOG INPUT - > SETUP

Analog Input Name (10 words)	ANALOG INPUT
Analog Input Units (3 words)	uA
Analog Input Range	0-20 mA
Analog Input Minimum Value	0 uA
Analog Input Maximum Value	20000 uA

MONITORING - > ANALOG INPUT - > THRESHOLD 1



Export Settings Report

Analog Input Threshold 1 Name	Analog Threshld 1
Analog Threshold 1 Function	Disabled
Analog Threshold 1: Relay 3	Do Not Operate
Analog Threshold 1: Relay 4	Do Not Operate
Analog Threshold 1: Relay 5	Do Not Operate
Analog Threshold 1: Relay 6	Do Not Operate
Analog Threshold 1: Relay 7	Do Not Operate
Analog Threshold 1 Pickup(Setpoints)	10 uA
Analog Threshold 1 Drop Out Ratio	2 %
Analog Threshold 1 Delay	50 s
Analog Threshold 1 Pickup Type	Over

MONITORING - > ANALOG INPUT - > THRESHOLD 2

Analog Input Threshold 2 Name	Analog Threshld 2
Analog Threshold 2 Function	Disabled
Analog Threshold 2: Relay 3	Do Not Operate
Analog Threshold 2: Relay 4	Do Not Operate
Analog Threshold 2: Relay 5	Do Not Operate
Analog Threshold 2: Relay 6	Do Not Operate
Analog Threshold 2: Relay 7	Do Not Operate
Analog Threshold 2 Pickup(Setpoints)	100 uA
Analog Threshold 2 Drop Out Ratio	2 %
Analog Threshold 2 Delay	100 s
Analog Threshold 2 Pickup Type	Over

MONITORING - > ANALOG INPUT - > RATE 1

Analog In Rate 1 Function	Disabled
Analog In Rate 1: Relay 3	Do Not Operate
Analog In Rate 1: Relay 4	Do Not Operate
Analog In Rate 1: Relay 5	Do Not Operate
Analog In Rate 1: Relay 6	Do Not Operate
Analog In Rate 1: Relay 7	Do Not Operate
Analog In Rate 1 Pickup(Setpoints)	10.0 uA/ hr



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Analog In Rate 1 Delay	0 s
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MONITORING - > ANALOG INPUT - > RATE 2

Analog In Rate 2 Function	Disabled
Analog In Rate 2: Relay 3	Do Not Operate
Analog In Rate 2: Relay 4	Do Not Operate
Analog In Rate 2: Relay 5	Do Not Operate
Analog In Rate 2: Relay 6	Do Not Operate
Analog In Rate 2: Relay 7	Do Not Operate
Analog In Rate 2 Pickup(Setpoints)	10.0 uA/ hr
Analog In Rate 2 Delay	0 s

MONITORING - > ANALOG OUTPUT. - > ANALOG OUTPUT.

Analog Output 1 Parameter	Disabled
Analog Output 1 Minimum	0
Analog Output 1 Maximum	0
Analog Output 2 Parameter	Disabled
Analog Output 2 Minimum	0
Analog Output 2 Maximum	0
Analog Output 3 Parameter	Disabled
Analog Output 3 Minimum	0
Analog Output 3 Maximum	0
Analog Output 4 Parameter	Disabled
Analog Output 4 Minimum	0
Analog Output 4 Maximum	0
Analog Output 5 Parameter	Disabled
Analog Output 5 Minimum	0
Analog Output 5 Maximum	0
Analog Output 6 Parameter	Disabled
Analog Output 6 Minimum	0
Analog Output 6 Maximum	0
Analog Output 7 Parameter	Disabled
Analog Output 7 Minimum	0



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Analog Output 7 Maximum	0
Analog Output 8 Parameter	Disabled
Analog Output 8 Minimum	0
Analog Output 8 Maximum	0

MONITORING - > OVERFREQUENCY - > OVERFREQUENCY

Overfrequency Function	Disabled
Overfrequency: Relay 3	Do Not Operate
Overfrequency: Relay 4	Do Not Operate
Overfrequency: Relay 5	Do Not Operate
Overfrequency: Relay 6	Do Not Operate
Overfrequency: Relay 7	Do Not Operate
Overfrequency Pickup(Setpoints)	60.50 Hz
Overfrequency Delay	0.0 s

MONITORING - > EQUIPMENT - > TRIP COUNTER.

Trip Counter Function	Disabled
Trip Counter: Relay 3	Do Not Operate
Trip Counter: Relay 4	Do Not Operate
Trip Counter: Relay 5	Do Not Operate
Trip Counter: Relay 6	Do Not Operate
Trip Counter: Relay 7	Do Not Operate
Trip Counter Limit	10000

MONITORING - > EQUIPMENT - > ARCING CURRENT

Total Arcing Current Function	Disabled
Total Arcing Current: Relay 3	Do Not Operate
Total Arcing Current: Relay 4	Do Not Operate
Total Arcing Current: Relay 5	Do Not Operate
Total Arcing Current: Relay 6	Do Not Operate
Total Arcing Current: Relay 7	Do Not Operate
Total Arcing Current Start Delay	32 ms
Total Arcing Current Limit	1000 kA(squared)-cyc



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MONITORING - > EQUIPMENT - > VT FAILURE

VT Failure Function	Disabled
VT Failure: Relay 3	Do Not Operate
VT Failure: Relay 4	Do Not Operate
VT Failure: Relay 5	Do Not Operate
VT Failure: Relay 6	Do Not Operate
VT Failure: Relay 7	Do Not Operate
VT Failure Delay	10 s

MONITORING - > EQUIPMENT - > BREAKER OPERATION

Breaker Operation Function	Disabled
Breaker Operation: Relay 3	Do Not Operate
Breaker Operation: Relay 4	Do Not Operate
Breaker Operation: Relay 5	Do Not Operate
Breaker Operation: Relay 6	Do Not Operate
Breaker Operation: Relay 7	Do Not Operate
Breaker Operation Delay	0.10 s

MONITORING - > EQUIPMENT - > COIL MONITOR 1

Coil Monitor 1 Name	Trip Coil Monitor
Coil Monitor 1 Function	Disabled
Coil Monitor 1: Relay 3	Do Not Operate
Coil Monitor 1: Relay 4	Do Not Operate
Coil Monitor 1: Relay 5	Do Not Operate
Coil Monitor 1: Relay 6	Do Not Operate
Coil Monitor 1: Relay 7	Do Not Operate
Breaker State Bypass (1)	Disabled
Coil Monitor 1 Delay	5 s
Coil Monitor 1 Type	Trip

MONITORING - > EQUIPMENT - > COIL MONITOR 2

Coil Monitor 2 Name	Close Coil Monitor
Coil Monitor 2 Function	Disabled



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Coil Monitor 2: Relay 3	Do Not Operate
Coil Monitor 2: Relay 4	Do Not Operate
Coil Monitor 2: Relay 5	Do Not Operate
Coil Monitor 2: Relay 6	Do Not Operate
Coil Monitor 2: Relay 7	Do Not Operate
Breaker State Bypass (2)	Disabled
Coil Monitor 2 Delay	5 s
Coil Monitor 2 Type	Trip

CONTROL - > SETPOINT GROUPS - > SETPOINT GROUPS

Active Setpoint Group(Setpoints)	Group 1
Edit Setpoint Group(Setpoints)	Active Group
Breaker Open Inhibit	Disabled
Overcurrent Pickup Inhibit	Disabled
Overvoltage Pickup Inhibit	Disabled
Undervoltage Pickup Inhibit	Disabled
Underfrequency Pickup Inhibit	Disabled

CONTROL - > SYNCHROCHECK - > SYNCHROCHECK

Synchrocheck Function	Disabled
Synchrocheck: Relay 3	Do Not Operate
Synchrocheck: Relay 4	Do Not Operate
Synchrocheck: Relay 5	Do Not Operate
Synchrocheck: Relay 6	Do Not Operate
Synchrocheck: Relay 7	Do Not Operate
Dead Source Permissive	Off
Dead Bus Maximum Voltage	0.20 x VT
Dead Line Maximum Voltage	0.20 x VT
Live Bus Minimum Voltage	0.80 x VT
Live Line Minimum Voltage	0.80 x VT
Maximum Voltage Difference	2.00 kV
Maximum Angle Difference	24 °
Maximum Frequency Difference	2.00 Hz



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CONTROL - > MANUAL CLOSE - > MANUAL CLOSE

Manual Close Feature Blocking Function	Disabled
Manual Close: Relay 3	Do Not Operate
Manual Close: Relay 4	Do Not Operate
Manual Close: Relay 6	Do Not Operate
Manual Close: Relay 5	Do Not Operate
Manual Close: Relay 7	Do Not Operate
Manual Close Block Time	5 s
Overcurrent Blocking Flags Phase Instantaneous Overcurrent 1	Disabled
Overcurrent Blocking Flags Neutral Instantaneous Overcurrent 1	Disabled
Overcurrent Blocking Flags Ground Instantaneous Overcurrent	Disabled
Overcurrent Blocking Flags Negative Sequence Instantaneous Overcurrent	Disabled
Overcurrent Blocking Flags Sensitive Ground Instantaneous Overcurrent	Disabled
Phase Time Overcurrent 1 Raised Pickup	0 %
Neutral Time Overcurrent 1 Raised Pickup	0 %
Ground Time Overcurrent Raised Pickup	0 %
Negative Sequence Time Overcurrent Raised Pickup	0 %
Sensitive Ground Time Overcurrent Raised Pickup	0 %
Select Setpoint Group (Manual)	Active Group

CONTROL - > COLD LOAD PICKUP - > COLD LOAD PICKUP

Cold Load Pickup Feature Blocking Function	Disabled
Cold Load Pickup: Relay 3	Do Not Operate
Cold Load Pickup: Relay 4	Do Not Operate
Cold Load Pickup: Relay 6	Do Not Operate
Cold Load Pickup: Relay 5	Do Not Operate
Cold Load Pickup: Relay 7	Do Not Operate
Outage Time Before Cold Load	100 min



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Cold Load Pickup Block Time	5 s
Overcurrent Blocking Flags (C/L) Phase Instantaneous Overcurrent 1	Disabled
Overcurrent Blocking Flags (C/L) Neutral Instantaneous Overcurrent 1	Disabled
Overcurrent Blocking Flags (C/L) Ground Instantaneous Overcurrent	Disabled
Overcurrent Blocking Flags (C/L) Negative Sequence Instantaneous Overcurrent	Disabled
Overcurrent Blocking Flags (C/L) Sensitive Ground Instantaneous Overcurrent	Disabled
Phase Time Overcurrent 1 Raised Pickup (C/L)	0 %
Neutral Time Overcurrent 1 Raised Pickup (C/L)	0 %
Ground Time Overcurrent Raised Pickup (C/L)	0 %
Negative Sequence Time Overcurrent Raised Pickup (C/L)	0 %
Sensitive Ground Time Overcurrent Raised Pickup (C/L)	0 %
Select Setpoint Group	Active Group

CONTROL - > UNDERVOLTAGE RESTORE - > UNDERVOLTAGE RESTORE

Undervoltage Restoration Function	Disabled
Undervoltage Restoration: Relay 3	Do Not Operate
Undervoltage Restoration: Relay 4	Do Not Operate
Undervoltage Restoration: Relay 5	Do Not Operate
Undervoltage Restoration: Relay 6	Do Not Operate
Undervoltage Restoration: Relay 7	Do Not Operate
Undervoltage Restoration Sources	Bus
Undervoltage Restoration Phases Required for Operation	All Three
Undervoltage Restoration Minimum Voltage	0.90 x VT
Undervoltage Restoration Delay	10 s
Undervoltage Restoration Incomplete Sequence Time	100 min

CONTROL - > UNDERFREQUENCY RESTORE - > UNDERFREQUENCY RESTORE



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Underfrequency Restoration Function	Disabled
Underfrequency Restoration: Relay 3	Do Not Operate
Underfrequency Restoration: Relay 4	Do Not Operate
Underfrequency Restoration: Relay 5	Do Not Operate
Underfrequency Restoration: Relay 6	Do Not Operate
Underfrequency Restoration: Relay 7	Do Not Operate
Underfrequency Restoration Minimum Voltage	0.90 x VT
Underfrequency Restoration Minimum Frequency	59.90 Hz
Underfrequency Restoration Delay	10 s
Underfrequency Restoration Incomplete Sequence Time	100 min

CONTROL - > TRANSFER - > TRANSFER

Transfer Function	Disabled
Transfer Delay This Source	1.0 s
Transfer Delay Other Source	3.0 s
Block Trip On Double Loss	Disabled

Group [1] - PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 1

Phase Time Overcurrent 1 Function	Trip
Phase Time Overcurrent 1: Relay 3	Do Not Operate
Phase Time Overcurrent 1: Relay 4	Do Not Operate
Phase Time Overcurrent 1: Relay 5	Do Not Operate
Phase Time Overcurrent 1: Relay 6	Do Not Operate
Phase Time Overcurrent 1: Relay 7	Do Not Operate
Phase Time Overcurrent 1 Pickup(Setpoints)	8.85 x CT
Phase Time Overcurrent 1 Curve	Extremely Inverse
Phase Time Overcurrent 1 Multiplier	5.00
Phase Time Overcurrent 1 Reset	Instantaneous
Phase Time Overcurrent 1 Direction	Disabled
Phase Time Overcurrent 1 Voltage Restraint	Disabled

Group [1] - PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 1

Phase Instantaneous Overcurrent 1 Function	Disabled
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Phase Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 1 Delay	0.00 s
Phases Required for Operation(O/C 1)	Any One
Phase Instantaneous Overcurrent 1 Direction	Disabled

Group [1] - PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 2

Phase Instantaneous Overcurrent 2 Function	Disabled
Phase Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 6	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 2 Delay	0.00 s
Phase Required for Operation(O/C 2)	Any One
Phase Instantaneous Overcurrent 2 Direction	Disabled

Group [1] - PROTECTION - > PHASE CURRENT - > PHASE DIRECTIONAL

Phase Directional Function	Disabled
Phase Directional: Relay 3	Do Not Operate
Phase Directional: Relay 4	Do Not Operate
Phase Directional: Relay 5	Do Not Operate
Phase Directional: Relay 6	Do Not Operate
Phase Directional: Relay 7	Do Not Operate
Phase Directional Maximum Torque Angle	30 ° Lead
Minimum Polarizing Voltage	0.05 x VT
Block OC When Voltage Memory Expires	Disabled

Group [1] - PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 2



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Phase Time Overcurrent 2 Function	Disabled
Phase Time Overcurrent 2: Relay 3	Do Not Operate
Phase Time Overcurrent 2: Relay 4	Do Not Operate
Phase Time Overcurrent 2: Relay 5	Do Not Operate
Phase Time Overcurrent 2: Relay 6	Do Not Operate
Phase Time Overcurrent 2: Relay 7	Do Not Operate
Phase Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Time Overcurrent 2 Curve	Extremely Inverse
Phase Time Overcurrent 2 Multiplier	1.00
Phase Time Overcurrent 2 Reset	Instantaneous
Phase Time Overcurrent 2 Direction	Disabled
Phase Time Overcurrent 2 Voltage Restraint	Disabled

Group [1] - PROTECTION - > GROUND CURRENT - > GROUND TIME OVERCURRENT

Ground Time Overcurrent Function	Trip
Ground Time Overcurrent: Relay 3	Do Not Operate
Ground Time Overcurrent: Relay 4	Do Not Operate
Ground Time Overcurrent: Relay 5	Do Not Operate
Ground Time Overcurrent: Relay 6	Do Not Operate
Ground Time Overcurrent: Relay 7	Do Not Operate
Ground Time Overcurrent Pickup(Setpoints)	0.20 x CT
Ground Time Overcurrent Curve	Extremely Inverse
Ground Time Overcurrent Multiplier	1.00
Ground Time Overcurrent Reset	Instantaneous
Ground Time Overcurrent Direction	Disabled

Group [1] - PROTECTION - > GROUND CURRENT - > GROUND INSTANTANEOUS OVERCURRENT

Ground Instantaneous Overcurrent Function	Disabled
Ground Instantaneous Overcurrent: Relay 3	Do Not Operate
Ground Instantaneous Overcurrent: Relay 4	Do Not Operate
Ground Instantaneous Overcurrent: Relay 5	Do Not Operate
Ground Instantaneous Overcurrent: Relay 6	Do Not Operate
Ground Instantaneous Overcurrent: Relay 7	Do Not Operate



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Ground Instantaneous Overcurrent Pickup(Setpoints)	1.00 x CT
Ground Instantaneous Overcurrent Delay	0.00 s
Ground Instantaneous Overcurrent Direction	Disabled

Group [1] - PROTECTION - > GROUND CURRENT - > GROUND DIRECTIONAL

Ground Directional Function	Disabled
Ground Directional: Relay 3	Do Not Operate
Ground Directional: Relay 4	Do Not Operate
Ground Directional: Relay 5	Do Not Operate
Ground Directional: Relay 6	Do Not Operate
Ground Directional: Relay 7	Do Not Operate
Ground Directional Polarizing	Voltage
Ground Directional Maximum Torque Angle	315 ° Lead
Ground Directional Minimum Polarizing Voltage	0.05 x VT

Group [1] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 1

Neutral Time Overcurrent 1 Function	Disabled
Neutral Time Overcurrent 1: Relay 3	Do Not Operate
Neutral Time Overcurrent 1: Relay 4	Do Not Operate
Neutral Time Overcurrent 1: Relay 5	Do Not Operate
Neutral Time Overcurrent 1: Relay 6	Do Not Operate
Neutral Time Overcurrent 1: Relay 7	Do Not Operate
Neutral Time Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 1 Curve	Extremely Inverse
Neutral Time Overcurrent 1 Multiplier	1.00
Neutral Time Overcurrent 1 Reset Time	Instantaneous
Neutral Time Overcurrent 1 Direction	Disabled

Group [1] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT

Neutral Instantaneous Overcurrent 1 Function	Disabled
Neutral Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 5	Do Not Operate



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Neutral Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 1 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 1 Delay	0.00 s
Neutral Instantaneous Overcurrent 1 Direction	Disabled

Group [1] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT

Neutral Instantaneous Overcurrent 2 Function	Disabled
Neutral Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 2 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 2 Delay	0.00 s
Neutral Instantaneous Overcurrent 2 Direction	Disabled

Group [1] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 2

Neutral Time Overcurrent 2 Function	Disabled
Neutral Time Overcurrent 2: Relay 3	Do Not Operate
Neutral Time Overcurrent 2: Relay 4	Do Not Operate
Neutral Time Overcurrent 2: Relay 5	Do Not Operate
Neutral Time Overcurrent 2: Relay 6	Do Not Operate
Neutral Time Overcurrent 2: Relay 7	Do Not Operate
Neutral Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 2 Curve	Extremely Inverse
Neutral Time Overcurrent 2 Multiplier	1.00
Neutral Time Overcurrent 2 Reset	Instantaneous
Neutral Time Overcurrent 2 Direction	Disabled

Group [1] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL DIRECTIONAL

Neutral Directional Function	Disabled
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Neutral Directional: Relay 3	Do Not Operate
Neutral Directional: Relay 4	Do Not Operate
Neutral Directional: Relay 5	Do Not Operate
Neutral Directional: Relay 6	Do Not Operate
Neutral Directional: Relay 7	Do Not Operate
Neutral Directional Polarizing	Voltage
Neutral Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Neutral Directional)	0.05 x VT

Group [1] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE TIME OVERCURRENT

Negative Sequence Time Overcurrent Function	Disabled
Negative Sequence Time Overcurrent: Relay 3	Do Not Operate
Negative Sequence Time Overcurrent: Relay 4	Do Not Operate
Negative Sequence Time Overcurrent: Relay 5	Do Not Operate
Negative Sequence Time Overcurrent: Relay 6	Do Not Operate
Negative Sequence Time Overcurrent: Relay 7	Do Not Operate
Negative Sequence Time Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Time Overcurrent Curve	Extremely Inverse
Negative Sequence Time Overcurrent Multiplier	1.00
Negative Sequence Time Overcurrent Reset	Instantaneous
Negative Sequence Time Overcurrent Direction	Disabled

Group [1] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE INST OVERCURRENT

Negative Sequence Inst. Overcurrent Function	Disabled
Negative Sequence Inst. Overcurrent: Relay 3	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 4	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 5	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 6	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 7	Do Not Operate
Negative Sequence Inst. Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Inst. Overcurrent Delay	0.00 s
Negative Sequence Inst. Overcurrent Direction	Disabled



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Group [1] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE VOLTAGE

Negative Sequence Voltage Function	Disabled
Negative Sequence Voltage: Relay 3	Do Not Operate
Negative Sequence Voltage: Relay 4	Do Not Operate
Negative Sequence Voltage: Relay 5	Do Not Operate
Negative Sequence Voltage: Relay 6	Do Not Operate
Negative Sequence Voltage: Relay 7	Do Not Operate
Negative Sequence Voltage Pickup(Setpoints)	0.10 x VT
Negative Sequence Voltage: Delay	2.0 s

Group [1] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE DIRECTIONAL

Negative Sequence Directional Function	Disabled
Negative Sequence Directional: Relay 3	Do Not Operate
Negative Sequence Directional: Relay 4	Do Not Operate
Negative Sequence Directional: Relay 5	Do Not Operate
Negative Sequence Directional: Relay 6	Do Not Operate
Negative Sequence Directional: Relay 7	Do Not Operate
Neg Seq Directional Maximum Torque Angle (MTA)	315 ° Lead
Minimum Polarizing Voltage (Negative Sequence Directional)	0.05 x VT

Group [1] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND INSTANTANEOUS

Sensitive Ground Inst. Overcurrent Function	Disabled
Sensitive Ground Inst. Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Inst. Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Inst. Overcurrent Delay	0.00 s
Sensitive Ground Inst. Overcurrent Direction	Disabled

Group [1] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND TIME OC



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Sensitive Ground Time Overcurrent Function	Disabled
Sensitive Ground Time Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Time Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Time Overcurrent Curve	Extremely Inverse
Sensitive Ground Time Overcurrent Multiplier	1.00
Sensitive Ground Time Overcurrent Reset	Instantaneous
Sensitive Ground Time Overcurrent Direction	Disabled

Group [1] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND DIRECTIONAL

Sensitive Ground Directional Function	Disabled
Sensitive Ground Directional: Relay 3	Do Not Operate
Sensitive Ground Directional: Relay 4	Do Not Operate
Sensitive Ground Directional: Relay 5	Do Not Operate
Sensitive Ground Directional: Relay 6	Do Not Operate
Sensitive Ground Directional: Relay 7	Do Not Operate
Sensitive Ground Directional Polarizing	Voltage
Sensitive Ground Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Sensitive Ground Directional)	0.05 x VT

Group [1] - PROTECTION - > SENSITIVE GROUND CURRENT - > RESTRICTED EARTH FAULT

Restricted Earth Fault Function	Disabled
Restricted Earth Fault: Relay 3	Do Not Operate
Restricted Earth Fault: Relay 4	Do Not Operate
Restricted Earth Fault: Relay 5	Do Not Operate
Restricted Earth Fault: Relay 6	Do Not Operate
Restricted Earth Fault: Relay 7	Do Not Operate
Restricted Earth Fault Pickup(Setpoints)	0.100 x CT
Restricted Earth Fault Delay	0.00 s



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Group [1] - PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 1

Bus Undervoltage 1 Function	Disabled
Bus UnderVoltage 1: Relay 3	Do Not Operate
Bus UnderVoltage 1: Relay 4	Do Not Operate
Bus UnderVoltage 1: Relay 5	Do Not Operate
Bus UnderVoltage 1: Relay 6	Do Not Operate
Bus UnderVoltage 1: Relay 7	Do Not Operate
Bus Undervoltage 1 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 1 Curve	Definite Time
Bus Undervoltage 1 Delay	2.0 s
Bus Undervoltage 1 Phases Required for Operation	All Three
Bus Undervoltage 1 Minimum Operating Voltage	0.30 x VT

Group [1] - PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 2

Bus Undervoltage 2 Function	Disabled
Bus UnderVoltage 2: Relay 3	Do Not Operate
Bus UnderVoltage 2: Relay 4	Do Not Operate
Bus UnderVoltage 2: Relay 5	Do Not Operate
Bus UnderVoltage 2: Relay 6	Do Not Operate
Bus UnderVoltage 2: Relay 7	Do Not Operate
Bus Undervoltage 2 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 2 Curve	Definite Time
Bus Undervoltage 2 Delay	2.0 s
Bus Undervoltage 2 Phases Required for Operation	All Three
Bus Undervoltage 2 Minimum Operating Voltage	0.30 x VT

Group [1] - PROTECTION - > VOLTAGE - > OVERVOLTAGE 1

Overvoltage 1 Function	Disabled
Overvoltage 1: Relay 3	Do Not Operate
Overvoltage 1: Relay 4	Do Not Operate
Overvoltage 1: Relay 5	Do Not Operate
Overvoltage 1: Relay 6	Do Not Operate



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Overvoltage 1: Relay 7	Do Not Operate
Overvoltage 1 Pickup(Setpoints)	1.25 x VT
Overvoltage 1 Delay	2.0 s
Overvoltage 1 Phases Required for Operation	All Three

Group [1] - PROTECTION - > VOLTAGE - > OVERVOLTAGE 2

Overvoltage 2 Function	Disabled
Overvoltage 2: Relay 3	Do Not Operate
Overvoltage 2: Relay 4	Do Not Operate
Overvoltage 2: Relay 5	Do Not Operate
Overvoltage 2: Relay 6	Do Not Operate
Overvoltage 2: Relay 7	Do Not Operate
Overvoltage 2 Pickup(Setpoints)	1.25 x VT
Overvoltage 2 Delay	2.0 s
Overvoltage 2 Phases Required for Operation	All Three

Group [1] - PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 3

Line Undervoltage 3 Function	Disabled
Line Undervoltage 3: Relay 3	Do Not Operate
Line Undervoltage 3: Relay 4	Do Not Operate
Line Undervoltage 3: Relay 5	Do Not Operate
Line Undervoltage 3: Relay 6	Do Not Operate
Line Undervoltage 3: Relay 7	Do Not Operate
Line Undervoltage 3 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 3 Curve	Definite Time
Line Undervoltage 3 Delay	2.0 s
Line Undervoltage 3 Minimum Operating Voltage	0.30 x VT

Group [1] - PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 4

Line Undervoltage 4 Function	Disabled
Line Undervoltage 4: Relay 3	Do Not Operate
Line Undervoltage 4: Relay 4	Do Not Operate
Line Undervoltage 4: Relay 5	Do Not Operate



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Line Undervoltage 4: Relay 6	Do Not Operate
Line Undervoltage 4: Relay 7	Do Not Operate
Line Undervoltage 4 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 4 Curve	Definite Time
Line Undervoltage 4 Delay	2.0 s
Line Undervoltage 4 Minimum Operating Voltage	0.30 x VT

Group [1] - PROTECTION - > VOLTAGE - > NEUTRAL DISPLACEMENT

Neutral Displacement Function	Disabled
Neutral Displacement: Relay 3	Do Not Operate
Neutral Displacement: Relay 4	Do Not Operate
Neutral Displacement: Relay 5	Do Not Operate
Neutral Displacement: Relay 6	Do Not Operate
Neutral Displacement: Relay 7	Do Not Operate
Neutral Displacement Pickup(Setpoints)	1.00 x VT
Neutral Displacement Curve	Extremely Inverse
Neutral Displacement Multiplier	1.00
Neutral Displacement Reset Time	Instantaneous

Group [1] - PROTECTION - > FREQUENCY - > UNDERFREQUENCY 1

Underfrequency 1 Function	Disabled
Underfrequency 1: Relay 3	Do Not Operate
Underfrequency 1: Relay 4	Do Not Operate
Underfrequency 1: Relay 5	Do Not Operate
Underfrequency 1: Relay 6	Do Not Operate
Underfrequency 1: Relay 7	Do Not Operate
Underfrequency 1 Pickup(Setpoints)	59.00 Hz
Underfrequency 1 Delay	2.00 s
Underfrequency 1 Minimum Operating Voltage	0.70 x VT
Underfrequency 1 Minimum Operating Current	0.20 x CT

Group [1] - PROTECTION - > FREQUENCY - > UNDERFREQUENCY 2

Underfrequency 2 Function	Disabled
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Underfrequency 2: Relay 3	Do Not Operate
Underfrequency 2: Relay 4	Do Not Operate
Underfrequency 2: Relay 5	Do Not Operate
Underfrequency 2: Relay 6	Do Not Operate
Underfrequency 2: Relay 7	Do Not Operate
Underfrequency 2 Pickup(Setpoints)	58.00 Hz
Underfrequency 2 Delay	3.00 s
Underfrequency 2 Minimum Operating Voltage	0.70 x VT
Underfrequency 2 Minimum Operating Current	0.20 x CT

Group [1] - PROTECTION - > FREQUENCY - > FREQUENCY DECAY

Frequency Decay Function	Disabled
Frequency Decay: Relay 3	Do Not Operate
Frequency Decay: Relay 4	Do Not Operate
Frequency Decay: Relay 5	Do Not Operate
Frequency Decay: Relay 6	Do Not Operate
Frequency Decay: Relay 7	Do Not Operate
Frequency Decay Rate	1.0 Hz/s
Frequency Decay Pickup(Setpoints)	59.00 Hz
Frequency Decay Delay	2.00 s
Frequency Decay Minimum Operating Voltage	0.70 x VT
Frequency Decay Minimum Operating Current	0.00 x CT

Group [1] - PROTECTION - > BREAKER FAILURE - > BREAKER FAILURE

Breaker Failure Function	Disabled
Breaker Failure: Relay 3	Do Not Operate
Breaker Failure: Relay 4	Do Not Operate
Breaker Failure: Relay 5	Do Not Operate
Breaker Failure: Relay 6	Do Not Operate
Breaker Failure: Relay 7	Do Not Operate
Breaker Failure Delay 1	0.10 s
Breaker Failure Delay 2	0.00 s
Breaker Failure Current	1.00 x CT



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Group [2] - PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 1

Phase Time Overcurrent 1 Function	Trip
Phase Time Overcurrent 1: Relay 3	Do Not Operate
Phase Time Overcurrent 1: Relay 4	Do Not Operate
Phase Time Overcurrent 1: Relay 5	Do Not Operate
Phase Time Overcurrent 1: Relay 6	Do Not Operate
Phase Time Overcurrent 1: Relay 7	Do Not Operate
Phase Time Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Phase Time Overcurrent 1 Curve	Extremely Inverse
Phase Time Overcurrent 1 Multiplier	1.00
Phase Time Overcurrent 1 Reset	Instantaneous
Phase Time Overcurrent 1 Direction	Disabled
Phase Time Overcurrent 1 Voltage Restraint	Disabled

Group [2] - PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 1

Phase Instantaneous Overcurrent 1 Function	Disabled
Phase Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 1 Delay	0.00 s
Phases Required for Operation(O/C 1)	Any One
Phase Instantaneous Overcurrent 1 Direction	Disabled

Group [2] - PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 2

Phase Instantaneous Overcurrent 2 Function	Disabled
Phase Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 6	Do Not Operate



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Phase Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 2 Delay	0.00 s
Phase Required for Operation(O/C 2)	Any One
Phase Instantaneous Overcurrent 2 Direction	Disabled

Group [2] - PROTECTION - > PHASE CURRENT - > PHASE DIRECTIONAL

Phase Directional Function	Disabled
Phase Directional: Relay 3	Do Not Operate
Phase Directional: Relay 4	Do Not Operate
Phase Directional: Relay 5	Do Not Operate
Phase Directional: Relay 6	Do Not Operate
Phase Directional: Relay 7	Do Not Operate
Phase Directional Maximum Torque Angle	30 ° Lead
Minimum Polarizing Voltage	0.05 x VT
Block OC When Voltage Memory Expires	Disabled

Group [2] - PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 2

Phase Time Overcurrent 2 Function	Disabled
Phase Time Overcurrent 2: Relay 3	Do Not Operate
Phase Time Overcurrent 2: Relay 4	Do Not Operate
Phase Time Overcurrent 2: Relay 5	Do Not Operate
Phase Time Overcurrent 2: Relay 6	Do Not Operate
Phase Time Overcurrent 2: Relay 7	Do Not Operate
Phase Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Time Overcurrent 2 Curve	Extremely Inverse
Phase Time Overcurrent 2 Multiplier	1.00
Phase Time Overcurrent 2 Reset	Instantaneous
Phase Time Overcurrent 2 Direction	Disabled
Phase Time Overcurrent 2 Voltage Restraint	Disabled

Group [2] - PROTECTION - > GROUND CURRENT - > GROUND TIME OVERCURRENT

Ground Time Overcurrent Function	Disabled
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Ground Time Overcurrent: Relay 3	Do Not Operate
Ground Time Overcurrent: Relay 4	Do Not Operate
Ground Time Overcurrent: Relay 5	Do Not Operate
Ground Time Overcurrent: Relay 6	Do Not Operate
Ground Time Overcurrent: Relay 7	Do Not Operate
Ground Time Overcurrent Pickup(Setpoints)	1.00 x CT
Ground Time Overcurrent Curve	Extremely Inverse
Ground Time Overcurrent Multiplier	1.00
Ground Time Overcurrent Reset	Instantaneous
Ground Time Overcurrent Direction	Disabled

Group [2] - PROTECTION - > GROUND CURRENT - > GROUND INSTANTANEOUS OVERCURRENT

Ground Instantaneous Overcurrent Function	Disabled
Ground Instantaneous Overcurrent: Relay 3	Do Not Operate
Ground Instantaneous Overcurrent: Relay 4	Do Not Operate
Ground Instantaneous Overcurrent: Relay 5	Do Not Operate
Ground Instantaneous Overcurrent: Relay 6	Do Not Operate
Ground Instantaneous Overcurrent: Relay 7	Do Not Operate
Ground Instantaneous Overcurrent Pickup(Setpoints)	1.00 x CT
Ground Instantaneous Overcurrent Delay	0.00 s
Ground Instantaneous Overcurrent Direction	Disabled

Group [2] - PROTECTION - > GROUND CURRENT - > GROUND DIRECTIONAL

Ground Directional Function	Disabled
Ground Directional: Relay 3	Do Not Operate
Ground Directional: Relay 4	Do Not Operate
Ground Directional: Relay 5	Do Not Operate
Ground Directional: Relay 6	Do Not Operate
Ground Directional: Relay 7	Do Not Operate
Ground Directional Polarizing	Voltage
Ground Directional Maximum Torque Angle	315 ° Lead
Ground Directional Minimum Polarizing Voltage	0.05 x VT

Group [2] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 1



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Neutral Time Overcurrent 1 Function	Disabled
Neutral Time Overcurrent 1: Relay 3	Do Not Operate
Neutral Time Overcurrent 1: Relay 4	Do Not Operate
Neutral Time Overcurrent 1: Relay 5	Do Not Operate
Neutral Time Overcurrent 1: Relay 6	Do Not Operate
Neutral Time Overcurrent 1: Relay 7	Do Not Operate
Neutral Time Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 1 Curve	Extremely Inverse
Neutral Time Overcurrent 1 Multiplier	1.00
Neutral Time Overcurrent 1 Reset Time	Instantaneous
Neutral Time Overcurrent 1 Direction	Disabled

Group [2] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT

Neutral Instantaneous Overcurrent 1 Function	Disabled
Neutral Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 5	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 1 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 1 Delay	0.00 s
Neutral Instantaneous Overcurrent 1 Direction	Disabled

Group [2] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT

Neutral Instantaneous Overcurrent 2 Function	Disabled
Neutral Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 2 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 2 Delay	0.00 s



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Neutral Instantaneous Overcurrent 2 Direction	Disabled
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Group [2] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 2

Neutral Time Overcurrent 2 Function	Disabled
Neutral Time Overcurrent 2: Relay 3	Do Not Operate
Neutral Time Overcurrent 2: Relay 4	Do Not Operate
Neutral Time Overcurrent 2: Relay 5	Do Not Operate
Neutral Time Overcurrent 2: Relay 6	Do Not Operate
Neutral Time Overcurrent 2: Relay 7	Do Not Operate
Neutral Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 2 Curve	Extremely Inverse
Neutral Time Overcurrent 2 Multiplier	1.00
Neutral Time Overcurrent 2 Reset	Instantaneous
Neutral Time Overcurrent 2 Direction	Disabled

Group [2] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL DIRECTIONAL

Neutral Directional Function	Disabled
Neutral Directional: Relay 3	Do Not Operate
Neutral Directional: Relay 4	Do Not Operate
Neutral Directional: Relay 5	Do Not Operate
Neutral Directional: Relay 6	Do Not Operate
Neutral Directional: Relay 7	Do Not Operate
Neutral Directional Polarizing	Voltage
Neutral Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Neutral Directional)	0.05 x VT

Group [2] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE TIME OVERCURRENT

Negative Sequence Time Overcurrent Function	Disabled
Negative Sequence Time Overcurrent: Relay 3	Do Not Operate
Negative Sequence Time Overcurrent: Relay 4	Do Not Operate
Negative Sequence Time Overcurrent: Relay 5	Do Not Operate
Negative Sequence Time Overcurrent: Relay 6	Do Not Operate
Negative Sequence Time Overcurrent: Relay 7	Do Not Operate



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Negative Sequence Time Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Time Overcurrent Curve	Extremely Inverse
Negative Sequence Time Overcurrent Multitplier	1.00
Negative Sequence Time Overcurrent Reset	Instantaneous
Negative Sequence Time Overcurrent Direction	Disabled

Group [2] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE INST OVERCURRENT

Negative Sequence Inst. Overcurrent Function	Disabled
Negative Sequence Inst. Overcurrent: Relay 3	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 4	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 5	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 6	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 7	Do Not Operate
Negative Sequence Inst. Overcurrent Pickup(Setpoint s)	1.00 x CT
Negative Sequence Inst. Overcurrent Delay	0.00 s
Negative Sequence Inst. Overcurrent Direction	Disabled

Group [2] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE VOLTAGE

Negative Sequence Voltage Function	Disabled
Negative Sequence Voltage: Relay 3	Do Not Operate
Negative Sequence Voltage: Relay 4	Do Not Operate
Negative Sequence Voltage: Relay 5	Do Not Operate
Negative Sequence Voltage: Relay 6	Do Not Operate
Negative Sequence Voltage: Relay 7	Do Not Operate
Negative Sequence Voltage Pickup(Setpoints)	0.10 x VT
Negative Sequence Voltage: Delay	2.0 s

Group [2] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE DIRECTIONAL

Negative Sequence Directional Function	Disabled
Negative Sequence Directional: Relay 3	Do Not Operate
Negative Sequence Directional: Relay 4	Do Not Operate
Negative Sequence Directional: Relay 5	Do Not Operate



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Negative Sequence Directional: Relay 6	Do Not Operate
Negative Sequence Directional: Relay 7	Do Not Operate
Neg Seq Directional Maximum Torque Angle (MTA)	315 ° Lead
Minimum Polarizing Voltage (Negative Sequence Directional)	0.05 x VT

Group [2] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND INSTANTANEOUS

Sensitive Ground Inst. Overcurrent Function	Disabled
Sensitive Ground Inst. Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Inst. Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Inst. Overcurrent Delay	0.00 s
Sensitive Ground Inst. Overcurrent Direction	Disabled

Group [2] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND TIME OC

Sensitive Ground Time Overcurrent Function	Disabled
Sensitive Ground Time Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Time Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Time Overcurrent Curve	Extremely Inverse
Sensitive Ground Time Overcurrent Multiplier	1.00
Sensitive Ground Time Overcurrent Reset	Instantaneous
Sensitive Ground Time Overcurrent Direction	Disabled

Group [2] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND DIRECTIONAL

Sensitive Ground Directional Function	Disabled
Sensitive Ground Directional: Relay 3	Do Not Operate



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Sensitive Ground Directional: Relay 4	Do Not Operate
Sensitive Ground Directional: Relay 5	Do Not Operate
Sensitive Ground Directional: Relay 6	Do Not Operate
Sensitive Ground Directional: Relay 7	Do Not Operate
Sensitive Ground Directional Polarizing	Voltage
Sensitive Ground Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Sensitive Ground Directional)	0.05 x VT

Group [2] - PROTECTION - > SENSITIVE GROUND CURRENT - > RESTRICTED EARTH FAULT

Restricted Earth Fault Function	Disabled
Restricted Earth Fault: Relay 3	Do Not Operate
Restricted Earth Fault: Relay 4	Do Not Operate
Restricted Earth Fault: Relay 5	Do Not Operate
Restricted Earth Fault: Relay 6	Do Not Operate
Restricted Earth Fault: Relay 7	Do Not Operate
Restricted Earth Fault Pickup(Setpoints)	0.100 x CT
Restricted Earth Fault Delay	0.00 s

Group [2] - PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 1

Bus Undervoltage 1 Function	Disabled
Bus UnderVoltage 1: Relay 3	Do Not Operate
Bus UnderVoltage 1: Relay 4	Do Not Operate
Bus UnderVoltage 1: Relay 5	Do Not Operate
Bus UnderVoltage 1: Relay 6	Do Not Operate
Bus UnderVoltage 1: Relay 7	Do Not Operate
Bus Undervoltage 1 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 1 Curve	Definite Time
Bus Undervoltage 1 Delay	2.0 s
Bus Undervoltage 1 Phases Required for Operation	All Three
Bus Undervoltage 1 Minimum Operating Voltage	0.30 x VT

Group [2] - PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 2

Bus Undervoltage 2 Function	Disabled
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Bus UnderVoltage 2: Relay 3	Do Not Operate
Bus UnderVoltage 2: Relay 4	Do Not Operate
Bus UnderVoltage 2: Relay 5	Do Not Operate
Bus UnderVoltage 2: Relay 6	Do Not Operate
Bus UnderVoltage 2: Relay 7	Do Not Operate
Bus Undervoltage 2 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 2 Curve	Definite Time
Bus Undervoltage 2 Delay	2.0 s
Bus Undervoltage 2 Phases Required for Operation	All Three
Bus Undervoltage 2 Minimum Operating Voltage	0.30 x VT

Group [2] - PROTECTION - > VOLTAGE - > OVERVOLTAGE 1

Overvoltage 1 Function	Disabled
Overvoltage 1: Relay 3	Do Not Operate
Overvoltage 1: Relay 4	Do Not Operate
Overvoltage 1: Relay 5	Do Not Operate
Overvoltage 1: Relay 6	Do Not Operate
Overvoltage 1: Relay 7	Do Not Operate
Overvoltage 1 Pickup(Setpoints)	1.25 x VT
Overvoltage 1 Delay	2.0 s
Overvoltage 1 Phases Required for Operation	All Three

Group [2] - PROTECTION - > VOLTAGE - > OVERVOLTAGE 2

Overvoltage 2 Function	Disabled
Overvoltage 2: Relay 3	Do Not Operate
Overvoltage 2: Relay 4	Do Not Operate
Overvoltage 2: Relay 5	Do Not Operate
Overvoltage 2: Relay 6	Do Not Operate
Overvoltage 2: Relay 7	Do Not Operate
Overvoltage 2 Pickup(Setpoints)	1.25 x VT
Overvoltage 2 Delay	2.0 s
Overvoltage 2 Phases Required for Operation	All Three

Group [2] - PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 3



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Line Undervoltage 3 Function	Disabled
Line Undervoltage 3: Relay 3	Do Not Operate
Line Undervoltage 3: Relay 4	Do Not Operate
Line Undervoltage 3: Relay 5	Do Not Operate
Line Undervoltage 3: Relay 6	Do Not Operate
Line Undervoltage 3: Relay 7	Do Not Operate
Line Undervoltage 3 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 3 Curve	Definite Time
Line Undervoltage 3 Delay	2.0 s
Line Undervoltage 3 Minimum Operating Voltage	0.30 x VT

Group [2] - PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 4

Line Undervoltage 4 Function	Disabled
Line Undervoltage 4: Relay 3	Do Not Operate
Line Undervoltage 4: Relay 4	Do Not Operate
Line Undervoltage 4: Relay 5	Do Not Operate
Line Undervoltage 4: Relay 6	Do Not Operate
Line Undervoltage 4: Relay 7	Do Not Operate
Line Undervoltage 4 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 4 Curve	Definite Time
Line Undervoltage 4 Delay	2.0 s
Line Undervoltage 4 Minimum Operating Voltage	0.30 x VT

Group [2] - PROTECTION - > VOLTAGE - > NEUTRAL DISPLACEMENT

Neutral Displacement Function	Disabled
Neutral Displacement: Relay 3	Do Not Operate
Neutral Displacement: Relay 4	Do Not Operate
Neutral Displacement: Relay 5	Do Not Operate
Neutral Displacement: Relay 6	Do Not Operate
Neutral Displacement: Relay 7	Do Not Operate
Neutral Displacement Pickup(Setpoints)	1.00 x VT
Neutral Displacement Curve	Extremely Inverse
Neutral Displacement Multiplier	1.00



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Neutral Displacement Reset Time	Instantaneous
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Group [2] - PROTECTION - > FREQUENCY - > UNDERFREQUENCY 1

Underfrequency 1 Function	Disabled
Underfrequency 1: Relay 3	Do Not Operate
Underfrequency 1: Relay 4	Do Not Operate
Underfrequency 1: Relay 5	Do Not Operate
Underfrequency 1: Relay 6	Do Not Operate
Underfrequency 1: Relay 7	Do Not Operate
Underfrequency 1 Pickup(Setpoints)	59.00 Hz
Underfrequency 1 Delay	2.00 s
Underfrequency 1 Minimum Operating Voltage	0.70 x VT
Underfrequency 1 Minimum Operating Current	0.20 x CT

Group [2] - PROTECTION - > FREQUENCY - > UNDERFREQUENCY 2

Underfrequency 2 Function	Disabled
Underfrequency 2: Relay 3	Do Not Operate
Underfrequency 2: Relay 4	Do Not Operate
Underfrequency 2: Relay 5	Do Not Operate
Underfrequency 2: Relay 6	Do Not Operate
Underfrequency 2: Relay 7	Do Not Operate
Underfrequency 2 Pickup(Setpoints)	58.00 Hz
Underfrequency 2 Delay	3.00 s
Underfrequency 2 Minimum Operating Voltage	0.70 x VT
Underfrequency 2 Minimum Operating Current	0.20 x CT

Group [2] - PROTECTION - > FREQUENCY - > FREQUENCY DECAY

Frequency Decay Function	Disabled
Frequency Decay: Relay 3	Do Not Operate
Frequency Decay: Relay 4	Do Not Operate
Frequency Decay: Relay 5	Do Not Operate
Frequency Decay: Relay 6	Do Not Operate
Frequency Decay: Relay 7	Do Not Operate



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Frequency Decay Rate	1.0 Hz/s
Frequency Decay Pickup(Setpoints)	59.00 Hz
Frequency Decay Delay	2.00 s
Frequency Decay Minimum Operating Voltage	0.70 x VT
Frequency Decay Minimum Operating Current	0.00 x CT

Group [2] - PROTECTION - > BREAKER FAILURE - > BREAKER FAILURE

Breaker Failure Function	Disabled
Breaker Failure: Relay 3	Do Not Operate
Breaker Failure: Relay 4	Do Not Operate
Breaker Failure: Relay 5	Do Not Operate
Breaker Failure: Relay 6	Do Not Operate
Breaker Failure: Relay 7	Do Not Operate
Breaker Failure Delay 1	0.10 s
Breaker Failure Delay 2	0.00 s
Breaker Failure Current	1.00 x CT

Group [3] - PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 1

Phase Time Overcurrent 1 Function	Trip
Phase Time Overcurrent 1: Relay 3	Do Not Operate
Phase Time Overcurrent 1: Relay 4	Do Not Operate
Phase Time Overcurrent 1: Relay 5	Do Not Operate
Phase Time Overcurrent 1: Relay 6	Do Not Operate
Phase Time Overcurrent 1: Relay 7	Do Not Operate
Phase Time Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Phase Time Overcurrent 1 Curve	Extremely Inverse
Phase Time Overcurrent 1 Multiplier	1.00
Phase Time Overcurrent 1 Reset	Instantaneous
Phase Time Overcurrent 1 Direction	Disabled
Phase Time Overcurrent 1 Voltage Restraint	Disabled

Group [3] - PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 1

Phase Instantaneous Overcurrent 1 Function	Disabled
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Phase Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 1 Delay	0.00 s
Phases Required for Operation(O/C 1)	Any One
Phase Instantaneous Overcurrent 1 Direction	Disabled

Group [3] - PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 2

Phase Instantaneous Overcurrent 2 Function	Disabled
Phase Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 6	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 2 Delay	0.00 s
Phase Required for Operation(O/C 2)	Any One
Phase Instantaneous Overcurrent 2 Direction	Disabled

Group [3] - PROTECTION - > PHASE CURRENT - > PHASE DIRECTIONAL

Phase Directional Function	Disabled
Phase Directional: Relay 3	Do Not Operate
Phase Directional: Relay 4	Do Not Operate
Phase Directional: Relay 5	Do Not Operate
Phase Directional: Relay 6	Do Not Operate
Phase Directional: Relay 7	Do Not Operate
Phase Directional Maximum Torque Angle	30 ° Lead
Minimum Polarizing Voltage	0.05 x VT
Block OC When Voltage Memory Expires	Disabled

Group [3] - PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 2



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Phase Time Overcurrent 2 Function	Disabled
Phase Time Overcurrent 2: Relay 3	Do Not Operate
Phase Time Overcurrent 2: Relay 4	Do Not Operate
Phase Time Overcurrent 2: Relay 5	Do Not Operate
Phase Time Overcurrent 2: Relay 6	Do Not Operate
Phase Time Overcurrent 2: Relay 7	Do Not Operate
Phase Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Time Overcurrent 2 Curve	Extremely Inverse
Phase Time Overcurrent 2 Multiplier	1.00
Phase Time Overcurrent 2 Reset	Instantaneous
Phase Time Overcurrent 2 Direction	Disabled
Phase Time Overcurrent 2 Voltage Restraint	Disabled

Group [3] - PROTECTION - > GROUND CURRENT - > GROUND TIME OVERCURRENT

Ground Time Overcurrent Function	Disabled
Ground Time Overcurrent: Relay 3	Do Not Operate
Ground Time Overcurrent: Relay 4	Do Not Operate
Ground Time Overcurrent: Relay 5	Do Not Operate
Ground Time Overcurrent: Relay 6	Do Not Operate
Ground Time Overcurrent: Relay 7	Do Not Operate
Ground Time Overcurrent Pickup(Setpoints)	1.00 x CT
Ground Time Overcurrent Curve	Extremely Inverse
Ground Time Overcurrent Multiplier	1.00
Ground Time Overcurrent Reset	Instantaneous
Ground Time Overcurrent Direction	Disabled

Group [3] - PROTECTION - > GROUND CURRENT - > GROUND INSTANTANEOUS OVERCURRENT

Ground Instantaneous Overcurrent Function	Disabled
Ground Instantaneous Overcurrent: Relay 3	Do Not Operate
Ground Instantaneous Overcurrent: Relay 4	Do Not Operate
Ground Instantaneous Overcurrent: Relay 5	Do Not Operate
Ground Instantaneous Overcurrent: Relay 6	Do Not Operate
Ground Instantaneous Overcurrent: Relay 7	Do Not Operate



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Ground Instantaneous Overcurrent Pickup(Setpoints)	1.00 x CT
Ground Instantaneous Overcurrent Delay	0.00 s
Ground Instantaneous Overcurrent Direction	Disabled

Group [3] - PROTECTION - > GROUND CURRENT - > GROUND DIRECTIONAL

Ground Directional Function	Disabled
Ground Directional: Relay 3	Do Not Operate
Ground Directional: Relay 4	Do Not Operate
Ground Directional: Relay 5	Do Not Operate
Ground Directional: Relay 6	Do Not Operate
Ground Directional: Relay 7	Do Not Operate
Ground Directional Polarizing	Voltage
Ground Directional Maximum Torque Angle	315 ° Lead
Ground Directional Minimum Polarizing Voltage	0.05 x VT

Group [3] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 1

Neutral Time Overcurrent 1 Function	Disabled
Neutral Time Overcurrent 1: Relay 3	Do Not Operate
Neutral Time Overcurrent 1: Relay 4	Do Not Operate
Neutral Time Overcurrent 1: Relay 5	Do Not Operate
Neutral Time Overcurrent 1: Relay 6	Do Not Operate
Neutral Time Overcurrent 1: Relay 7	Do Not Operate
Neutral Time Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 1 Curve	Extremely Inverse
Neutral Time Overcurrent 1 Multiplier	1.00
Neutral Time Overcurrent 1 Reset Time	Instantaneous
Neutral Time Overcurrent 1 Direction	Disabled

Group [3] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT

Neutral Instantaneous Overcurrent 1 Function	Disabled
Neutral Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 5	Do Not Operate



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Neutral Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 1 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 1 Delay	0.00 s
Neutral Instantaneous Overcurrent 1 Direction	Disabled

Group [3] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT

Neutral Instantaneous Overcurrent 2 Function	Disabled
Neutral Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 2 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 2 Delay	0.00 s
Neutral Instantaneous Overcurrent 2 Direction	Disabled

Group [3] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 2

Neutral Time Overcurrent 2 Function	Disabled
Neutral Time Overcurrent 2: Relay 3	Do Not Operate
Neutral Time Overcurrent 2: Relay 4	Do Not Operate
Neutral Time Overcurrent 2: Relay 5	Do Not Operate
Neutral Time Overcurrent 2: Relay 6	Do Not Operate
Neutral Time Overcurrent 2: Relay 7	Do Not Operate
Neutral Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 2 Curve	Extremely Inverse
Neutral Time Overcurrent 2 Multiplier	1.00
Neutral Time Overcurrent 2 Reset	Instantaneous
Neutral Time Overcurrent 2 Direction	Disabled

Group [3] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL DIRECTIONAL

Neutral Directional Function	Disabled
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Neutral Directional: Relay 3	Do Not Operate
Neutral Directional: Relay 4	Do Not Operate
Neutral Directional: Relay 5	Do Not Operate
Neutral Directional: Relay 6	Do Not Operate
Neutral Directional: Relay 7	Do Not Operate
Neutral Directional Polarizing	Voltage
Neutral Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Neutral Directional)	0.05 x VT

Group [3] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE TIME OVERCURRENT

Negative Sequence Time Overcurrent Function	Disabled
Negative Sequence Time Overcurrent: Relay 3	Do Not Operate
Negative Sequence Time Overcurrent: Relay 4	Do Not Operate
Negative Sequence Time Overcurrent: Relay 5	Do Not Operate
Negative Sequence Time Overcurrent: Relay 6	Do Not Operate
Negative Sequence Time Overcurrent: Relay 7	Do Not Operate
Negative Sequence Time Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Time Overcurrent Curve	Extremely Inverse
Negative Sequence Time Overcurrent Multiplier	1.00
Negative Sequence Time Overcurrent Reset	Instantaneous
Negative Sequence Time Overcurrent Direction	Disabled

Group [3] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE INST OVERCURRENT

Negative Sequence Inst. Overcurrent Function	Disabled
Negative Sequence Inst. Overcurrent: Relay 3	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 4	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 5	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 6	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 7	Do Not Operate
Negative Sequence Inst. Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Inst. Overcurrent Delay	0.00 s
Negative Sequence Inst. Overcurrent Direction	Disabled



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Group [3] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE VOLTAGE

Negative Sequence Voltage Function	Disabled
Negative Sequence Voltage: Relay 3	Do Not Operate
Negative Sequence Voltage: Relay 4	Do Not Operate
Negative Sequence Voltage: Relay 5	Do Not Operate
Negative Sequence Voltage: Relay 6	Do Not Operate
Negative Sequence Voltage: Relay 7	Do Not Operate
Negative Sequence Voltage Pickup(Setpoints)	0.10 x VT
Negative Sequence Voltage: Delay	2.0 s

Group [3] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE DIRECTIONAL

Negative Sequence Directional Function	Disabled
Negative Sequence Directional: Relay 3	Do Not Operate
Negative Sequence Directional: Relay 4	Do Not Operate
Negative Sequence Directional: Relay 5	Do Not Operate
Negative Sequence Directional: Relay 6	Do Not Operate
Negative Sequence Directional: Relay 7	Do Not Operate
Neg Seq Directional Maximum Torque Angle (MTA)	315 ° Lead
Minimum Polarizing Voltage (Negative Sequence Directional)	0.05 x VT

Group [3] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND INSTANTANEOUS

Sensitive Ground Inst. Overcurrent Function	Disabled
Sensitive Ground Inst. Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Inst. Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Inst. Overcurrent Delay	0.00 s
Sensitive Ground Inst. Overcurrent Direction	Disabled

Group [3] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND TIME OC



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Sensitive Ground Time Overcurrent Function	Disabled
Sensitive Ground Time Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Time Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Time Overcurrent Curve	Extremely Inverse
Sensitive Ground Time Overcurrent Multiplier	1.00
Sensitive Ground Time Overcurrent Reset	Instantaneous
Sensitive Ground Time Overcurrent Direction	Disabled

Group [3] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND DIRECTIONAL

Sensitive Ground Directional Function	Disabled
Sensitive Ground Directional: Relay 3	Do Not Operate
Sensitive Ground Directional: Relay 4	Do Not Operate
Sensitive Ground Directional: Relay 5	Do Not Operate
Sensitive Ground Directional: Relay 6	Do Not Operate
Sensitive Ground Directional: Relay 7	Do Not Operate
Sensitive Ground Directional Polarizing	Voltage
Sensitive Ground Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Sensitive Ground Directional)	0.05 x VT

Group [3] - PROTECTION - > SENSITIVE GROUND CURRENT - > RESTRICTED EARTH FAULT

Restricted Earth Fault Function	Disabled
Restricted Earth Fault: Relay 3	Do Not Operate
Restricted Earth Fault: Relay 4	Do Not Operate
Restricted Earth Fault: Relay 5	Do Not Operate
Restricted Earth Fault: Relay 6	Do Not Operate
Restricted Earth Fault: Relay 7	Do Not Operate
Restricted Earth Fault Pickup(Setpoints)	0.100 x CT
Restricted Earth Fault Delay	0.00 s



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Group [3] - PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 1

Bus Undervoltage 1 Function	Disabled
Bus UnderVoltage 1: Relay 3	Do Not Operate
Bus UnderVoltage 1: Relay 4	Do Not Operate
Bus UnderVoltage 1: Relay 5	Do Not Operate
Bus UnderVoltage 1: Relay 6	Do Not Operate
Bus UnderVoltage 1: Relay 7	Do Not Operate
Bus Undervoltage 1 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 1 Curve	Definite Time
Bus Undervoltage 1 Delay	2.0 s
Bus Undervoltage 1 Phases Required for Operation	All Three
Bus Undervoltage 1 Minimum Operating Voltage	0.30 x VT

Group [3] - PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 2

Bus Undervoltage 2 Function	Disabled
Bus UnderVoltage 2: Relay 3	Do Not Operate
Bus UnderVoltage 2: Relay 4	Do Not Operate
Bus UnderVoltage 2: Relay 5	Do Not Operate
Bus UnderVoltage 2: Relay 6	Do Not Operate
Bus UnderVoltage 2: Relay 7	Do Not Operate
Bus Undervoltage 2 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 2 Curve	Definite Time
Bus Undervoltage 2 Delay	2.0 s
Bus Undervoltage 2 Phases Required for Operation	All Three
Bus Undervoltage 2 Minimum Operating Voltage	0.30 x VT

Group [3] - PROTECTION - > VOLTAGE - > OVERVOLTAGE 1

Overvoltage 1 Function	Disabled
Overvoltage 1: Relay 3	Do Not Operate
Overvoltage 1: Relay 4	Do Not Operate
Overvoltage 1: Relay 5	Do Not Operate
Overvoltage 1: Relay 6	Do Not Operate



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Overvoltage 1: Relay 7	Do Not Operate
Overvoltage 1 Pickup(Setpoints)	1.25 x VT
Overvoltage 1 Delay	2.0 s
Overvoltage 1 Phases Required for Operation	All Three

Group [3] - PROTECTION - > VOLTAGE - > OVERVOLTAGE 2

Overvoltage 2 Function	Disabled
Overvoltage 2: Relay 3	Do Not Operate
Overvoltage 2: Relay 4	Do Not Operate
Overvoltage 2: Relay 5	Do Not Operate
Overvoltage 2: Relay 6	Do Not Operate
Overvoltage 2: Relay 7	Do Not Operate
Overvoltage 2 Pickup(Setpoints)	1.25 x VT
Overvoltage 2 Delay	2.0 s
Overvoltage 2 Phases Required for Operation	All Three

Group [3] - PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 3

Line Undervoltage 3 Function	Disabled
Line Undervoltage 3: Relay 3	Do Not Operate
Line Undervoltage 3: Relay 4	Do Not Operate
Line Undervoltage 3: Relay 5	Do Not Operate
Line Undervoltage 3: Relay 6	Do Not Operate
Line Undervoltage 3: Relay 7	Do Not Operate
Line Undervoltage 3 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 3 Curve	Definite Time
Line Undervoltage 3 Delay	2.0 s
Line Undervoltage 3 Minimum Operating Voltage	0.30 x VT

Group [3] - PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 4

Line Undervoltage 4 Function	Disabled
Line Undervoltage 4: Relay 3	Do Not Operate
Line Undervoltage 4: Relay 4	Do Not Operate
Line Undervoltage 4: Relay 5	Do Not Operate



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Line Undervoltage 4: Relay 6	Do Not Operate
Line Undervoltage 4: Relay 7	Do Not Operate
Line Undervoltage 4 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 4 Curve	Definite Time
Line Undervoltage 4 Delay	2.0 s
Line Undervoltage 4 Minimum Operating Voltage	0.30 x VT

Group [3] - PROTECTION - > VOLTAGE - > NEUTRAL DISPLACEMENT

Neutral Displacement Function	Disabled
Neutral Displacement: Relay 3	Do Not Operate
Neutral Displacement: Relay 4	Do Not Operate
Neutral Displacement: Relay 5	Do Not Operate
Neutral Displacement: Relay 6	Do Not Operate
Neutral Displacement: Relay 7	Do Not Operate
Neutral Displacement Pickup(Setpoints)	1.00 x VT
Neutral Displacement Curve	Extremely Inverse
Neutral Displacement Multiplier	1.00
Neutral Displacement Reset Time	Instantaneous

Group [3] - PROTECTION - > FREQUENCY - > UNDERFREQUENCY 1

Underfrequency 1 Function	Disabled
Underfrequency 1: Relay 3	Do Not Operate
Underfrequency 1: Relay 4	Do Not Operate
Underfrequency 1: Relay 5	Do Not Operate
Underfrequency 1: Relay 6	Do Not Operate
Underfrequency 1: Relay 7	Do Not Operate
Underfrequency 1 Pickup(Setpoints)	59.00 Hz
Underfrequency 1 Delay	2.00 s
Underfrequency 1 Minimum Operating Voltage	0.70 x VT
Underfrequency 1 Minimum Operating Current	0.20 x CT

Group [3] - PROTECTION - > FREQUENCY - > UNDERFREQUENCY 2

Underfrequency 2 Function	Disabled
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Underfrequency 2: Relay 3	Do Not Operate
Underfrequency 2: Relay 4	Do Not Operate
Underfrequency 2: Relay 5	Do Not Operate
Underfrequency 2: Relay 6	Do Not Operate
Underfrequency 2: Relay 7	Do Not Operate
Underfrequency 2 Pickup(Setpoints)	58.00 Hz
Underfrequency 2 Delay	3.00 s
Underfrequency 2 Minimum Operating Voltage	0.70 x VT
Underfrequency 2 Minimum Operating Current	0.20 x CT

Group [3] - PROTECTION - > FREQUENCY - > FREQUENCY DECAY

Frequency Decay Function	Disabled
Frequency Decay: Relay 3	Do Not Operate
Frequency Decay: Relay 4	Do Not Operate
Frequency Decay: Relay 5	Do Not Operate
Frequency Decay: Relay 6	Do Not Operate
Frequency Decay: Relay 7	Do Not Operate
Frequency Decay Rate	1.0 Hz/s
Frequency Decay Pickup(Setpoints)	59.00 Hz
Frequency Decay Delay	2.00 s
Frequency Decay Minimum Operating Voltage	0.70 x VT
Frequency Decay Minimum Operating Current	0.00 x CT

Group [3] - PROTECTION - > BREAKER FAILURE - > BREAKER FAILURE

Breaker Failure Function	Disabled
Breaker Failure: Relay 3	Do Not Operate
Breaker Failure: Relay 4	Do Not Operate
Breaker Failure: Relay 5	Do Not Operate
Breaker Failure: Relay 6	Do Not Operate
Breaker Failure: Relay 7	Do Not Operate
Breaker Failure Delay 1	0.10 s
Breaker Failure Delay 2	0.00 s
Breaker Failure Current	1.00 x CT



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Group [4] - PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 1

Phase Time Overcurrent 1 Function	Trip
Phase Time Overcurrent 1: Relay 3	Do Not Operate
Phase Time Overcurrent 1: Relay 4	Do Not Operate
Phase Time Overcurrent 1: Relay 5	Do Not Operate
Phase Time Overcurrent 1: Relay 6	Do Not Operate
Phase Time Overcurrent 1: Relay 7	Do Not Operate
Phase Time Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Phase Time Overcurrent 1 Curve	Extremely Inverse
Phase Time Overcurrent 1 Multiplier	1.00
Phase Time Overcurrent 1 Reset	Instantaneous
Phase Time Overcurrent 1 Direction	Disabled
Phase Time Overcurrent 1 Voltage Restraint	Disabled

Group [4] - PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 1

Phase Instantaneous Overcurrent 1 Function	Disabled
Phase Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Phase Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 1 Delay	0.00 s
Phases Required for Operation(O/C 1)	Any One
Phase Instantaneous Overcurrent 1 Direction	Disabled

Group [4] - PROTECTION - > PHASE CURRENT - > PHASE INSTANTANEOUS OVERCURRENT 2

Phase Instantaneous Overcurrent 2 Function	Disabled
Phase Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Phase Instantaneous Overcurrent 2: Relay 6	Do Not Operate



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Phase Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Phase Instantaneous Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Instantaneous Overcurrent 2 Delay	0.00 s
Phase Required for Operation(O/C 2)	Any One
Phase Instantaneous Overcurrent 2 Direction	Disabled

Group [4] - PROTECTION - > PHASE CURRENT - > PHASE DIRECTIONAL

Phase Directional Function	Disabled
Phase Directional: Relay 3	Do Not Operate
Phase Directional: Relay 4	Do Not Operate
Phase Directional: Relay 5	Do Not Operate
Phase Directional: Relay 6	Do Not Operate
Phase Directional: Relay 7	Do Not Operate
Phase Directional Maximum Torque Angle	30 ° Lead
Minimum Polarizing Voltage	0.05 x VT
Block OC When Voltage Memory Expires	Disabled

Group [4] - PROTECTION - > PHASE CURRENT - > PHASE TIME OVERCURRENT 2

Phase Time Overcurrent 2 Function	Disabled
Phase Time Overcurrent 2: Relay 3	Do Not Operate
Phase Time Overcurrent 2: Relay 4	Do Not Operate
Phase Time Overcurrent 2: Relay 5	Do Not Operate
Phase Time Overcurrent 2: Relay 6	Do Not Operate
Phase Time Overcurrent 2: Relay 7	Do Not Operate
Phase Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Phase Time Overcurrent 2 Curve	Extremely Inverse
Phase Time Overcurrent 2 Multiplier	1.00
Phase Time Overcurrent 2 Reset	Instantaneous
Phase Time Overcurrent 2 Direction	Disabled
Phase Time Overcurrent 2 Voltage Restraint	Disabled

Group [4] - PROTECTION - > GROUND CURRENT - > GROUND TIME OVERCURRENT

Ground Time Overcurrent Function	Disabled
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Ground Time Overcurrent: Relay 3	Do Not Operate
Ground Time Overcurrent: Relay 4	Do Not Operate
Ground Time Overcurrent: Relay 5	Do Not Operate
Ground Time Overcurrent: Relay 6	Do Not Operate
Ground Time Overcurrent: Relay 7	Do Not Operate
Ground Time Overcurrent Pickup(Setpoints)	1.00 x CT
Ground Time Overcurrent Curve	Extremely Inverse
Ground Time Overcurrent Multiplier	1.00
Ground Time Overcurrent Reset	Instantaneous
Ground Time Overcurrent Direction	Disabled

Group [4] - PROTECTION - > GROUND CURRENT - > GROUND INSTANTANEOUS OVERCURRENT

Ground Instantaneous Overcurrent Function	Disabled
Ground Instantaneous Overcurrent: Relay 3	Do Not Operate
Ground Instantaneous Overcurrent: Relay 4	Do Not Operate
Ground Instantaneous Overcurrent: Relay 5	Do Not Operate
Ground Instantaneous Overcurrent: Relay 6	Do Not Operate
Ground Instantaneous Overcurrent: Relay 7	Do Not Operate
Ground Instantaneous Overcurrent Pickup(Setpoints)	1.00 x CT
Ground Instantaneous Overcurrent Delay	0.00 s
Ground Instantaneous Overcurrent Direction	Disabled

Group [4] - PROTECTION - > GROUND CURRENT - > GROUND DIRECTIONAL

Ground Directional Function	Disabled
Ground Directional: Relay 3	Do Not Operate
Ground Directional: Relay 4	Do Not Operate
Ground Directional: Relay 5	Do Not Operate
Ground Directional: Relay 6	Do Not Operate
Ground Directional: Relay 7	Do Not Operate
Ground Directional Polarizing	Voltage
Ground Directional Maximum Torque Angle	315 ° Lead
Ground Directional Minimum Polarizing Voltage	0.05 x VT

Group [4] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 1



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Neutral Time Overcurrent 1 Function	Disabled
Neutral Time Overcurrent 1: Relay 3	Do Not Operate
Neutral Time Overcurrent 1: Relay 4	Do Not Operate
Neutral Time Overcurrent 1: Relay 5	Do Not Operate
Neutral Time Overcurrent 1: Relay 6	Do Not Operate
Neutral Time Overcurrent 1: Relay 7	Do Not Operate
Neutral Time Overcurrent 1 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 1 Curve	Extremely Inverse
Neutral Time Overcurrent 1 Multiplier	1.00
Neutral Time Overcurrent 1 Reset Time	Instantaneous
Neutral Time Overcurrent 1 Direction	Disabled

Group [4] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT

Neutral Instantaneous Overcurrent 1 Function	Disabled
Neutral Instantaneous Overcurrent 1: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 5	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 1: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 1 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 1 Delay	0.00 s
Neutral Instantaneous Overcurrent 1 Direction	Disabled

Group [4] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL INSTANTANEOUS OVERCURRENT

Neutral Instantaneous Overcurrent 2 Function	Disabled
Neutral Instantaneous Overcurrent 2: Relay 3	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 4	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 5	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 6	Do Not Operate
Neutral Instantaneous Overcurrent 2: Relay 7	Do Not Operate
Neutral Instantaneous Overcurrent 2 Pickup(Setpoint s)	1.00 x CT
Neutral Instantaneous Overcurrent 2 Delay	0.00 s



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Neutral Instantaneous Overcurrent 2 Direction	Disabled
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Group [4] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL TIME OVERCURRENT 2

Neutral Time Overcurrent 2 Function	Disabled
Neutral Time Overcurrent 2: Relay 3	Do Not Operate
Neutral Time Overcurrent 2: Relay 4	Do Not Operate
Neutral Time Overcurrent 2: Relay 5	Do Not Operate
Neutral Time Overcurrent 2: Relay 6	Do Not Operate
Neutral Time Overcurrent 2: Relay 7	Do Not Operate
Neutral Time Overcurrent 2 Pickup(Setpoints)	1.00 x CT
Neutral Time Overcurrent 2 Curve	Extremely Inverse
Neutral Time Overcurrent 2 Multiplier	1.00
Neutral Time Overcurrent 2 Reset	Instantaneous
Neutral Time Overcurrent 2 Direction	Disabled

Group [4] - PROTECTION - > NEUTRAL CURRENT - > NEUTRAL DIRECTIONAL

Neutral Directional Function	Disabled
Neutral Directional: Relay 3	Do Not Operate
Neutral Directional: Relay 4	Do Not Operate
Neutral Directional: Relay 5	Do Not Operate
Neutral Directional: Relay 6	Do Not Operate
Neutral Directional: Relay 7	Do Not Operate
Neutral Directional Polarizing	Voltage
Neutral Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Neutral Directional)	0.05 x VT

Group [4] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE TIME OVERCURRE

Negative Sequence Time Overcurrent Function	Disabled
Negative Sequence Time Overcurrent: Relay 3	Do Not Operate
Negative Sequence Time Overcurrent: Relay 4	Do Not Operate
Negative Sequence Time Overcurrent: Relay 5	Do Not Operate
Negative Sequence Time Overcurrent: Relay 6	Do Not Operate
Negative Sequence Time Overcurrent: Relay 7	Do Not Operate



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Negative Sequence Time Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Time Overcurrent Curve	Extremely Inverse
Negative Sequence Time Overcurrent Multiplier	1.00
Negative Sequence Time Overcurrent Reset	Instantaneous
Negative Sequence Time Overcurrent Direction	Disabled

Group [4] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE INST OVERCURRENT

Negative Sequence Inst. Overcurrent Function	Disabled
Negative Sequence Inst. Overcurrent: Relay 3	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 4	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 5	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 6	Do Not Operate
Negative Sequence Inst. Overcurrent: Relay 7	Do Not Operate
Negative Sequence Inst. Overcurrent Pickup(Setpoints)	1.00 x CT
Negative Sequence Inst. Overcurrent Delay	0.00 s
Negative Sequence Inst. Overcurrent Direction	Disabled

Group [4] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE VOLTAGE

Negative Sequence Voltage Function	Disabled
Negative Sequence Voltage: Relay 3	Do Not Operate
Negative Sequence Voltage: Relay 4	Do Not Operate
Negative Sequence Voltage: Relay 5	Do Not Operate
Negative Sequence Voltage: Relay 6	Do Not Operate
Negative Sequence Voltage: Relay 7	Do Not Operate
Negative Sequence Voltage Pickup(Setpoints)	0.10 x VT
Negative Sequence Voltage: Delay	2.0 s

Group [4] - PROTECTION - > NEGATIVE SEQUENCE - > NEGATIVE SEQUENCE DIRECTIONAL

Negative Sequence Directional Function	Disabled
Negative Sequence Directional: Relay 3	Do Not Operate
Negative Sequence Directional: Relay 4	Do Not Operate
Negative Sequence Directional: Relay 5	Do Not Operate



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Negative Sequence Directional: Relay 6	Do Not Operate
Negative Sequence Directional: Relay 7	Do Not Operate
Neg Seq Directional Maximum Torque Angle (MTA)	315 ° Lead
Minimum Polarizing Voltage (Negative Sequence Directional)	0.05 x VT

Group [4] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND INSTANTANEOUS

Sensitive Ground Inst. Overcurrent Function	Disabled
Sensitive Ground Inst. Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Inst. Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Inst. Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Inst. Overcurrent Delay	0.00 s
Sensitive Ground Inst. Overcurrent Direction	Disabled

Group [4] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND TIME OC

Sensitive Ground Time Overcurrent Function	Disabled
Sensitive Ground Time Overcurrent: Relay 3	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 4	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 5	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 6	Do Not Operate
Sensitive Ground Time Overcurrent: Relay 7	Do Not Operate
Sensitive Ground Time Overcurrent Pickup(Setpoints)	0.100 x CT
Sensitive Ground Time Overcurrent Curve	Extremely Inverse
Sensitive Ground Time Overcurrent Multiplier	1.00
Sensitive Ground Time Overcurrent Reset	Instantaneous
Sensitive Ground Time Overcurrent Direction	Disabled

Group [4] - PROTECTION - > SENSITIVE GROUND CURRENT - > SENSITIVE GROUND DIRECTIONAL

Sensitive Ground Directional Function	Disabled
Sensitive Ground Directional: Relay 3	Do Not Operate



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Sensitive Ground Directional: Relay 4	Do Not Operate
Sensitive Ground Directional: Relay 5	Do Not Operate
Sensitive Ground Directional: Relay 6	Do Not Operate
Sensitive Ground Directional: Relay 7	Do Not Operate
Sensitive Ground Directional Polarizing	Voltage
Sensitive Ground Directional Maximum Torque Angle	315 ° Lead
Minimum Polarizing Voltage (Sensitive Ground Directional)	0.05 x VT

Group [4] - PROTECTION - > SENSITIVE GROUND CURRENT - > RESTRICTED EARTH FAULT

Restricted Earth Fault Function	Disabled
Restricted Earth Fault: Relay 3	Do Not Operate
Restricted Earth Fault: Relay 4	Do Not Operate
Restricted Earth Fault: Relay 5	Do Not Operate
Restricted Earth Fault: Relay 6	Do Not Operate
Restricted Earth Fault: Relay 7	Do Not Operate
Restricted Earth Fault Pickup(Setpoints)	0.100 x CT
Restricted Earth Fault Delay	0.00 s

Group [4] - PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 1

Bus Undervoltage 1 Function	Disabled
Bus UnderVoltage 1: Relay 3	Do Not Operate
Bus UnderVoltage 1: Relay 4	Do Not Operate
Bus UnderVoltage 1: Relay 5	Do Not Operate
Bus UnderVoltage 1: Relay 6	Do Not Operate
Bus UnderVoltage 1: Relay 7	Do Not Operate
Bus Undervoltage 1 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 1 Curve	Definite Time
Bus Undervoltage 1 Delay	2.0 s
Bus Undervoltage 1 Phases Required for Operation	All Three
Bus Undervoltage 1 Minimum Operating Voltage	0.30 x VT

Group [4] - PROTECTION - > VOLTAGE - > BUS UNDERVOLTAGE 2

Bus Undervoltage 2 Function	Disabled
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Bus UnderVoltage 2: Relay 3	Do Not Operate
Bus UnderVoltage 2: Relay 4	Do Not Operate
Bus UnderVoltage 2: Relay 5	Do Not Operate
Bus UnderVoltage 2: Relay 6	Do Not Operate
Bus UnderVoltage 2: Relay 7	Do Not Operate
Bus Undervoltage 2 Pickup(Setpoints)	0.75 x VT
Bus Undervoltage 2 Curve	Definite Time
Bus Undervoltage 2 Delay	2.0 s
Bus Undervoltage 2 Phases Required for Operation	All Three
Bus Undervoltage 2 Minimum Operating Voltage	0.30 x VT

Group [4] - PROTECTION - > VOLTAGE - > OVERVOLTAGE 1

Overvoltage 1 Function	Disabled
Overvoltage 1: Relay 3	Do Not Operate
Overvoltage 1: Relay 4	Do Not Operate
Overvoltage 1: Relay 5	Do Not Operate
Overvoltage 1: Relay 6	Do Not Operate
Overvoltage 1: Relay 7	Do Not Operate
Overvoltage 1 Pickup(Setpoints)	1.25 x VT
Overvoltage 1 Delay	2.0 s
Overvoltage 1 Phases Required for Operation	All Three

Group [4] - PROTECTION - > VOLTAGE - > OVERVOLTAGE 2

Overvoltage 2 Function	Disabled
Overvoltage 2: Relay 3	Do Not Operate
Overvoltage 2: Relay 4	Do Not Operate
Overvoltage 2: Relay 5	Do Not Operate
Overvoltage 2: Relay 6	Do Not Operate
Overvoltage 2: Relay 7	Do Not Operate
Overvoltage 2 Pickup(Setpoints)	1.25 x VT
Overvoltage 2 Delay	2.0 s
Overvoltage 2 Phases Required for Operation	All Three

Group [4] - PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 3



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Line Undervoltage 3 Function	Disabled
Line Undervoltage 3: Relay 3	Do Not Operate
Line Undervoltage 3: Relay 4	Do Not Operate
Line Undervoltage 3: Relay 5	Do Not Operate
Line Undervoltage 3: Relay 6	Do Not Operate
Line Undervoltage 3: Relay 7	Do Not Operate
Line Undervoltage 3 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 3 Curve	Definite Time
Line Undervoltage 3 Delay	2.0 s
Line Undervoltage 3 Minimum Operating Voltage	0.30 x VT

Group [4] - PROTECTION - > VOLTAGE - > LINE UNDERVOLTAGE 4

Line Undervoltage 4 Function	Disabled
Line Undervoltage 4: Relay 3	Do Not Operate
Line Undervoltage 4: Relay 4	Do Not Operate
Line Undervoltage 4: Relay 5	Do Not Operate
Line Undervoltage 4: Relay 6	Do Not Operate
Line Undervoltage 4: Relay 7	Do Not Operate
Line Undervoltage 4 Pickup(Setpoints)	0.75 x VT
Line Undervoltage 4 Curve	Definite Time
Line Undervoltage 4 Delay	2.0 s
Line Undervoltage 4 Minimum Operating Voltage	0.30 x VT

Group [4] - PROTECTION - > VOLTAGE - > NEUTRAL DISPLACEMENT

Neutral Displacement Function	Disabled
Neutral Displacement: Relay 3	Do Not Operate
Neutral Displacement: Relay 4	Do Not Operate
Neutral Displacement: Relay 5	Do Not Operate
Neutral Displacement: Relay 6	Do Not Operate
Neutral Displacement: Relay 7	Do Not Operate
Neutral Displacement Pickup(Setpoints)	1.00 x VT
Neutral Displacement Curve	Extremely Inverse
Neutral Displacement Multiplier	1.00



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Neutral Displacement Reset Time	Instantaneous
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Group [4] - PROTECTION - > FREQUENCY - > UNDERFREQUENCY 1

Underfrequency 1 Function	Disabled
Underfrequency 1: Relay 3	Do Not Operate
Underfrequency 1: Relay 4	Do Not Operate
Underfrequency 1: Relay 5	Do Not Operate
Underfrequency 1: Relay 6	Do Not Operate
Underfrequency 1: Relay 7	Do Not Operate
Underfrequency 1 Pickup(Setpoints)	59.00 Hz
Underfrequency 1 Delay	2.00 s
Underfrequency 1 Minimum Operating Voltage	0.70 x VT
Underfrequency 1 Minimum Operating Current	0.20 x CT

Group [4] - PROTECTION - > FREQUENCY - > UNDERFREQUENCY 2

Underfrequency 2 Function	Disabled
Underfrequency 2: Relay 3	Do Not Operate
Underfrequency 2: Relay 4	Do Not Operate
Underfrequency 2: Relay 5	Do Not Operate
Underfrequency 2: Relay 6	Do Not Operate
Underfrequency 2: Relay 7	Do Not Operate
Underfrequency 2 Pickup(Setpoints)	58.00 Hz
Underfrequency 2 Delay	3.00 s
Underfrequency 2 Minimum Operating Voltage	0.70 x VT
Underfrequency 2 Minimum Operating Current	0.20 x CT

Group [4] - PROTECTION - > FREQUENCY - > FREQUENCY DECAY

Frequency Decay Function	Disabled
Frequency Decay: Relay 3	Do Not Operate
Frequency Decay: Relay 4	Do Not Operate
Frequency Decay: Relay 5	Do Not Operate
Frequency Decay: Relay 6	Do Not Operate
Frequency Decay: Relay 7	Do Not Operate



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Frequency Decay Rate	1.0 Hz/s
Frequency Decay Pickup(Setpoints)	59.00 Hz
Frequency Decay Delay	2.00 s
Frequency Decay Minimum Operating Voltage	0.70 x VT
Frequency Decay Minimum Operating Current	0.00 x CT

Group [4] - PROTECTION - > BREAKER FAILURE - > BREAKER FAILURE

Breaker Failure Function	Disabled
Breaker Failure: Relay 3	Do Not Operate
Breaker Failure: Relay 4	Do Not Operate
Breaker Failure: Relay 5	Do Not Operate
Breaker Failure: Relay 6	Do Not Operate
Breaker Failure: Relay 7	Do Not Operate
Breaker Failure Delay 1	0.10 s
Breaker Failure Delay 2	0.00 s
Breaker Failure Current	1.00 x CT