



OP PARAMETERS

- 010A: Reference:01BC
- 0005: Software Version: 6.B
- 0104: Frequency:60 Hz

CONFIGURATION

GENERAL

- 0126: Connection: 2 Upp + Vr
- 0109: Default Display: RMS Va

VT RATIO

- 0120: Main VT Primary: 13800V
- 0122: Main VT Secundary: 120.0V
- 0123: E/Gnd VT Primary: 20000V
- 0125: E/Gnd VT Secundary: 100.0V

LED 5

0150: LED 5 Part 1:

- U<
- tU<
- U<<
- tU<<
- U<<<
- tU<<<
- U>
- tU>
- U>>
- tU>>
- U>>>
- tU>>>
- Vo>
- tVo>
- Vo>>
- tVo>>

0154: LED 5 Part 2: No

- Vo>>>
- tVo>>>
- tAux1
- tAux2
- V2>
- tV2>
- V2>>
- tV2>>
- V1<
- tV1<
- V1<<
- tV1<<
- f1
- tf1
- f2
- tf2

0158: LED 5 Part 3: No

- f3
- tf3
- f4
- tf4
- f5
- tf5
- f6
- tf6
- Freq. out of Range

LED 6

0151: LED 6 Part 1: No

- U<
- tU<
- U<<
- tU<<
- U<<<



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

- tU<<<
- U>
- tU>
- U>>
- tU>>
- U>>>
- tU>>>
- Vo>
- tVo>
- Vo>>
- tVo>>

0155: LED 6 Part 2: No

- Vo>>>
- tVo>>>
- tAux1
- tAux2
- V2>
- tV2>
- V2>>
- tV2>>
- V1<
- tV1<
- V1<<
- tV1<<
- f1
- tf1
- f2
- tf2

0159: LED 6 Part 3: No

- f3
- tf3
- f4
- tf4
- f5
- tf5
- f6
- tf6
- Freq. out of Range

LED 7

0152: LED 7 Part 1: No

- U<
- tU<
- U<<
- tU<<
- U<<<
- tU<<<
- U>
- tU>
- U>>
- tU>>
- U>>>
- tU>>>
- Vo>
- tVo>
- Vo>>
- tVo>>

0156: LED 7 Part 2: No

- Vo>>>
- tVo>>>
- tAux1
- tAux2
- V2>
- tV2>
- V2>>
- tV2>>
- V1<



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

- tV1<
- V1<<
- tV1<<
- f1
- tf1
- f2
- tf2

015A: LED 7 Part 3: No

- f3
- tf3
- f4
- tf4
- f5
- tf5
- f6
- tf6
- Freq. out of Range

LED 8

0153: LED 8 Part 1: No

- U<
- tU<
- U<<
- tU<<
- U<<<
- tU<<<
- U>
- tU>
- U>>
- tU>>
- U>>>
- tU>>>
- Vo>
- tVo>
- Vo>>
- tVo>>

0157: LED 8 Part 2: No

- Vo>>>
- tVo>>>
- tAux1
- tAux2
- V2>
- tV2>
- V2>>
- tV2>>
- V1<
- tV1<
- V1<<
- tV1<<
- f1
- tf1
- f2
- tf2

015B: LED 8 Part 3: No

- f3
- tf3
- f4
- tf4
- f5
- tf5
- f6
- tf6
- Freq. out of Range

GROUP SELECT

0142: Setting Group: Threshold

ALARMS



0141: AUTO-ACKNOWLEDGE:	No
0143: BATTERY ALARM:	Yes
LOGIC INPUTS	
010D: LOGIC INPUTS:	
<input checked="" type="checkbox"/> Input 1	
<input checked="" type="checkbox"/> Input 2	
<input checked="" type="checkbox"/> Input 3	
<input checked="" type="checkbox"/> Input 4	
<input checked="" type="checkbox"/> Input 5	
010F: INPUT VOLTAGE :: DC	
DATE FORMAT	
0135: DATE FORMAT:	PRIVATE
PROTECTION G1	
[27] UNDERVOLTAGE	
0200: Function U<:	AND
0201: U<: 30.0V	
0202: Delay Type:	DMT
0205: tU<: 0.50s	
0210: Function U<<:	AND
0211: U<<: 5.0V	
0212: tU<<: 0.01s	
0220: Function U<<<:	OR
0221: U<<<: 108.0V	
0222: tU<<<: 0.25s	
022F: Hysteresis:1.02	
[59] OVERVOLTAGE	
0230: Function U>:	OR
0231: U>: 130.0V	
0232: Delay Type:	DMT
0235: tU>: 0.04s	
0240: Function U>>:	No
0250: Function U>>>:	No
025F: Hysteresis:0.98	
[59N] RESIDUAL O/V	
0260: Function Vo>:	No
0270: Function Vo>>:	No
0280: Function Vo>>>:	No
[47] NEG SEQ O/V	
0290: Function V2>:	No
02A0: Function V2>>:	No
[27D] POS SEQ U/V	
02B0: Function V1<:	No
02C0: Function V1<<:	No
[81] FREQUENCY	
02D0: Function f1: 81<	
02D1: f1: 50.00Hz	
02D2: tf1: 0.04s	
02D3: Function f2:	No
02D6: Function f3:	No
02D9: Function f4:	No
02DC: Function f5:	No
02DF: Function f6:	No
PROTECTION G2	
[27] UNDERVOLTAGE	
0300: Function U<:	No
0310: Function U<<:	No
0320: Function U<<<:	No
[59] OVERVOLTAGE	
0330: Function U>:	No
0340: Function U>>:	No
0350: Function U>>>:	No
[59N] RESIDUAL O/V	



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

	0360: Function Vo>: No
	0370: Function Vo>>: No
	0380: Function Vo>>>: No
[47] NEG SEQ O/V	
	0390: Function V2>: No
	03A0: Function V2>>: No
[27D] POS SEQ U/V	
	03B0: Function V1<: No
	03C0: Function V1<<: No
[81] FREQUENCY	
	03D0: Function f1: No
	03D3: Function f2: No
	03D6: Function f3: No
	03D9: Function f4: No
	03DC: Function f5: No
	03DF: Function f6: No
AUTOMAT. CTRL	
TRIP OUTPUT RLY	
01D0: Trip Part 1:	
	<input checked="" type="checkbox"/> tU<
	<input type="checkbox"/> tU<<
	<input type="checkbox"/> tU<<<
	<input type="checkbox"/> tU>
	<input type="checkbox"/> tU>>
	<input type="checkbox"/> tU>>>
	<input type="checkbox"/> tVo>
	<input type="checkbox"/> tVo>>
	<input type="checkbox"/> tVo>>>
	<input type="checkbox"/> tAux1
	<input type="checkbox"/> tAux2
	<input type="checkbox"/> Equation A
	<input type="checkbox"/> Equation B
01D1: Trip Part 2:	No
	<input type="checkbox"/> tV2>
	<input type="checkbox"/> tV2>>
	<input type="checkbox"/> tV1<
	<input type="checkbox"/> tV1<<
	<input type="checkbox"/> tf1
	<input type="checkbox"/> tf2
	<input type="checkbox"/> tf3
	<input type="checkbox"/> tf4
	<input type="checkbox"/> tf5
	<input type="checkbox"/> tf6
LATCH FUNCTIONS	
01D2: Latch Part 1:	No
	<input type="checkbox"/> tU<
	<input type="checkbox"/> tU<<
	<input type="checkbox"/> tU<<<
	<input type="checkbox"/> tU>
	<input type="checkbox"/> tU>>
	<input type="checkbox"/> tU>>>
	<input type="checkbox"/> tVo>
	<input type="checkbox"/> tVo>>
	<input type="checkbox"/> tVo>>>
	<input type="checkbox"/> tAux1
	<input type="checkbox"/> tAux2
	<input type="checkbox"/> Equation A
	<input type="checkbox"/> Equation B
01D3: Latch Part 2:	No
	<input type="checkbox"/> tV2>
	<input type="checkbox"/> tV2>>
	<input type="checkbox"/> tV1<
	<input type="checkbox"/> tV1<<
	<input type="checkbox"/> tf1



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

		<input type="checkbox"/> tf2
		<input type="checkbox"/> tf3
		<input type="checkbox"/> tf4
		<input type="checkbox"/> tf5
		<input type="checkbox"/> tf6
	BLOCKING LOG1 t	
01D4:	Block 1 Part 1:	No
	<input type="checkbox"/> tU<	
	<input type="checkbox"/> tU<<	
	<input type="checkbox"/> tU<<<	
	<input type="checkbox"/> tU>	
	<input type="checkbox"/> tU>>	
	<input type="checkbox"/> tU>>>	
	<input type="checkbox"/> tVo>	
	<input type="checkbox"/> tVo>>	
	<input type="checkbox"/> tVo>>>	
	<input type="checkbox"/> tAux1	
	<input type="checkbox"/> tAux2	
01D5:	Block 1 Part 2:	No
	<input type="checkbox"/> tV2>	
	<input type="checkbox"/> tV2>>	
	<input type="checkbox"/> tV1<	
	<input type="checkbox"/> tV1<<	
	<input type="checkbox"/> tf1	
	<input type="checkbox"/> tf2	
	<input type="checkbox"/> tf3	
	<input type="checkbox"/> tf4	
	<input type="checkbox"/> tf5	
	<input type="checkbox"/> tf6	
	BLOCKING LOG2 t	
01D6:	Block 2 Part 1:	No
	<input type="checkbox"/> tU<	
	<input type="checkbox"/> tU<<	
	<input type="checkbox"/> tU<<<	
	<input type="checkbox"/> tU>	
	<input type="checkbox"/> tU>>	
	<input type="checkbox"/> tU>>>	
	<input type="checkbox"/> tVo>	
	<input type="checkbox"/> tVo>>	
	<input type="checkbox"/> tVo>>>	
	<input type="checkbox"/> tAux1	
	<input type="checkbox"/> tAux2	
01D7:	Block 2 Part 2:	No
	<input type="checkbox"/> tV2>	
	<input type="checkbox"/> tV2>>	
	<input type="checkbox"/> tV1<	
	<input type="checkbox"/> tV1<<	
	<input type="checkbox"/> tf1	
	<input type="checkbox"/> tf2	
	<input type="checkbox"/> tf3	
	<input type="checkbox"/> tf4	
	<input type="checkbox"/> tf5	
	<input type="checkbox"/> tf6	
	AUX OUTPUT RLY	
0170:	Trip CB:	No
	<input type="checkbox"/> RL 2	
	<input type="checkbox"/> RL 3	
	<input type="checkbox"/> RL 4	
	<input type="checkbox"/> RL 5	
	<input type="checkbox"/> RL 6	
	<input type="checkbox"/> RL 7	
	<input type="checkbox"/> RL 8	
0171:	Clos. CB:	No
	<input type="checkbox"/> RL 2	
	<input type="checkbox"/> RL 3	



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

- RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- 017B: U<: No
- RL 2
 - RL 3
 - RL 4
 - RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- 0172: tU<:
- RL 2
 - RL 3
 - RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- 017C: U<<: No
- RL 2
 - RL 3
 - RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- 0173: tU<<: No
- RL 2
 - RL 3
 - RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- 017D: U<<<: No
- RL 2
 - RL 3
 - RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- 0174: tU<<<: No
- RL 2
 - RL 3
 - RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- 017E: U>: No
- RL 2
 - RL 3
 - RL 4
 - RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- 0175: tU>: No
- RL 2
 - RL 3
 - RL 4



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

017F: U>>: No
 RL 5
 RL 6
 RL 7
 RL 8

0176: tU>>: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0180: U>>>: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0177: tU>>>: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0181: Vo>: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0178: tVo>: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0182: Vo>>: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0179: tVo>>: No
 RL 2
 RL 3
 RL 4
 RL 5



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

- RL 6
- RL 7
- RL 8

0183: Vo>>>: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

017A: tVo>>>: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0190: V2>: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0186: tV2>: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0191: V2>>: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0187: tV2>>: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0192: V1<: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0188: tV1<: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

0193: v1<<: No
 RL 7
 RL 8

0189: tv1<<: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0194: f1: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

018A: tf1: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0195: f2: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

018B: tf2: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

0196: f3: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7
 RL 8

018C: tf3: No
 RL 2
 RL 3
 RL 4
 RL 5
 RL 6
 RL 7



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

0197: f4: No

- RL 8
- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

018D: tf4: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0198: f5: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

018E: tf5: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0199: f6: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

018F: tf6: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0184: tAux 1: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

0185: tAux 2: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

019A: CB ALAR: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

019B: F OUT: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

019C: CB FAIL: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

019D: EQU. A: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

019E: EQU. B: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

01A1: Group Activ: No

- RL 2
- RL 3
- RL 4
- RL 5
- RL 6
- RL 7
- RL 8

AND LOGIC EQUAT

01AB: U<: No

- Equation A
- Equation B

01A2: tU<: No

- Equation A
- Equation B

01AC: U<<: No

- Equation A
- Equation B

01A3: tU<<: No

- Equation A
- Equation B

01AD: U<<<: No

- Equation A
- Equation B

01A4: tU<<<: No



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

- └─ Equation A
- └─ Equation B
- 01AE: U>: No
 - └─ Equation A
 - └─ Equation B
- 01A5: tU>: No
 - └─ Equation A
 - └─ Equation B
- 01AF: U>>: No
 - └─ Equation A
 - └─ Equation B
- 01A6: tU>>: No
 - └─ Equation A
 - └─ Equation B
- 01B0: U>>>: No
 - └─ Equation A
 - └─ Equation B
- 01A7: tU>>>: No
 - └─ Equation A
 - └─ Equation B
- 01B1: Vo>: No
 - └─ Equation A
 - └─ Equation B
- 01A8: tVo>: No
 - └─ Equation A
 - └─ Equation B
- 01B2: Vo>>: No
 - └─ Equation A
 - └─ Equation B
- 01A9: tVo>>: No
 - └─ Equation A
 - └─ Equation B
- 01B3: Vo>>>: No
 - └─ Equation A
 - └─ Equation B
- 01AA: tVo>>>: No
 - └─ Equation A
 - └─ Equation B
- 01C0: V2>: No
 - └─ Equation A
 - └─ Equation B
- 01B6: tV2>: No
 - └─ Equation A
 - └─ Equation B
- 01C1: V2>>: No
 - └─ Equation A
 - └─ Equation B
- 01B7: tV2>>: No
 - └─ Equation A
 - └─ Equation B
- 01C2: V1<: No
 - └─ Equation A
 - └─ Equation B
- 01B8: tV1<: No
 - └─ Equation A
 - └─ Equation B
- 01C3: V1<<: No
 - └─ Equation A
 - └─ Equation B
- 01B9: tV1<<: No
 - └─ Equation A
 - └─ Equation B
- 01C4: f1: No
 - └─ Equation A



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

		<input type="checkbox"/> Equation B
01BA:	tf1:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01C5:	f2:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01BB:	tf2:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01C6:	f3:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01BC:	tf3:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01C7:	f4:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01BD:	tf4:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01C8:	f5:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01BE:	tf5:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01C9:	f6:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01BF:	tf6:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01B4:	tAux 1:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01B5:	tAux 2:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01CA:	CB ALAR:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
01CC:	CB FAIL:	No
		<input type="checkbox"/> Equation A
		<input type="checkbox"/> Equation B
T DELAY EQUATION		
01D8:	Equ. A Toperat:	0.0s
01D9:	Equ. A Treset:	0.0s
01DA:	Equ. B Toperat:	0.0s
01DB:	Equ. B Treset:	0.0s
INPUTS		
0160:	Input 1:	No
		<input type="checkbox"/> Unlatch
		<input type="checkbox"/> 52a
		<input type="checkbox"/> 52b
		<input type="checkbox"/> CB Fail
		<input type="checkbox"/> Aux 1
		<input type="checkbox"/> Aux 2
		<input type="checkbox"/> Blk Log.1
		<input type="checkbox"/> Blk Log.2
		<input type="checkbox"/> Chang. Set.
		<input type="checkbox"/> Dist. Trig.
0161:	Input 2:	No



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

- Unlatch
 - 52a
 - 52b
 - CB Fail
 - Aux 1
 - Aux 2
 - Blk Log.1
 - Blk Log.2
 - Chang. Set.
 - Dist. Trig.
- 0162: Input 3: No
- Unlatch
 - 52a
 - 52b
 - CB Fail
 - Aux 1
 - Aux 2
 - Blk Log.1
 - Blk Log.2
 - Chang. Set.
 - Dist. Trig.
- 0163: Input 4: No
- Unlatch
 - 52a
 - 52b
 - CB Fail
 - Aux 1
 - Aux 2
 - Blk Log.1
 - Blk Log.2
 - Chang. Set.
 - Dist. Trig.
- 0164: Input 5: No
- Unlatch
 - 52a
 - 52b
 - CB Fail
 - Aux 1
 - Aux 2
 - Blk Log.1
 - Blk Log.2
 - Chang. Set.
 - Dist. Trig.
- 01DC: T Aux 1: 0.00s
- 01DD: T Aux 2: 0.00s
- CB SUPERVISION
- 01E5: CB open S`vision: No
 - 01E7: CB Close S`vision: No
 - 01E3: NB Oper. Alarm?: No
 - 01EB: Close Pulse Time: 0.10s
 - 01EA: Trip Pulse Time: 0.10s
- LATCH OUTPUTS
- 011F: MAINTAINED OUTPUTS: No
- RL 2
 - RL 3
 - RL 4
 - RL 5
 - RL 6
 - RL 7
 - RL 8
- RECORDS
- FAULT RECORD
- 010C: Record Number: 5
- DISTURB RECORDER
- 01E0: Pre-Time: 2.50s



Settings File Report

Substation:

File: P922 52-MF-01BC.set

Model Number:

-
- 01E1: Post-Time: 0.50s
 - 01E2: Disturb Rec Trig: On Inst.
 - TIME PEAK VALUE
 - 01E9: Time Window: 5mn