7SG26 Tau

Auto Re-close

Document Release History

This document is issue 2010/02. The list of revisions up to and including this issue is:
Pre release

2010/02	Document reformat due to rebrand

Software Revision History

Contents

1 SYSTEM CONFIG MENU

SETTING	RANGE	DEFAULT
Active Settings Group	G1-G4	G1
Settings Group Edit/View	G1-G4	G1
Calendar - Set Date	DD/MM/YY	01/01/99
Clock - Set Time	HH:MM:SS	00:00:00
Sett Grp Select	G1-G4	1
Change Password	4 alphanumeric characters	NONE
Set Identifier	Up to 16 alphanumeric characters	TAU

2 DAR MENU

SETTING	RANGE	DEFAULT
A/R In Service	IN/OUT	OUT
Close Mode Selection	OFF,1P,3P,1P/3P,1P3P/3P,1P1P,3P3P,1P1P/3P3P	3P
Dead Bar Close	Enabled/Disabled	Disabled
Dead Line Close	Enabled/Disabled	Disabled
Check Sync Close	Enabled/Disabled	Enabled
First 1P Deadtime	0.05-100s step 0.05s	1.0s
Second 1P Deadtime	0.05-100s step 0.05s	1.0s
First 3P Deadtime	0.1-900s step 0.1s	5.0s
Second 3P Deadtime	0.1-900s step 0.1s	5.0s
Start Deadtime	Trip & CB Open, Trip Make, Trip reset	Trip & CB Open
3P Deadtime Initiate	1P/2P/3P, 1P/2P	1P/2P/3P
CB Aux Switches	Type a, Type b, Type a&b	Type a
CB Close Pulse	0.2-20s step 0.1s	2.0s
Reclaim Time	OFF - 1-600s step 1s	5s
Sync Close Delay	0-60s step 1s	30s
Permissive Close Delay	OFF - 0-600s step 1s	60s
Overall Sequence Timer	OFF – 1 – 3000s step 1s	OFF
Sequence Fail Timer	OFF-1-200s step 1s	OFF
Persistent Intertrip	1-180s step 1s	60s
CB Fail To Open Delay	50-2000ms step 10ms	100ms
Minimum LO Timer	0-60s step 1s	2s
Reset LO By Timer	Enabled/Disabled	Disabled
CB Indeterminate	50 – 200ms step 10ms	80ms
CB Memory Timer	0 – 5s step 1s	2s
Set Type	Master / Slave	Master
Total CB Close Counter	1-999 step1	100
Delta CB Close Counter	1-999 step1	20
Reset Total CB Count	YES/NO	NO
Reset Delta CB Count	YES/NO	NO

3 POLE DISCREPANCY MENU

SETTING	RANGE	DEFAULT
Pole Discrepancy Time	OFF-0.1-20.0s step 0.1s	1.6s

4 SYNC MENU

SETTING	RANGE	DEFAULT
Gn Bus Dead : Live	5-150% step1% 10-155% step 1%	20% 90%
Gn Line Dead : Live	5-150% step1% 10-155% step 1%	20% 90%
Gn Bus U/V Detector	OFF, 5-150% step 1%	90%
Gn Line U/V Detector	OFF, 5-150% step 1%	90%
Gn Voltage Differential	OFF-1-100% step 1%	10%
Gn Split Angle	OFF-95°-175° step1°	175°
Gn MC Split Action	Close On Zero/Check Sync/System Sync	Close On Zero
Gn A/R Split Action	Lockout/System Sync/Close On Zero	Lockout
Gn Check Sync Angle	5° - 90° step 1°	20°
Gn Check Sync Slip	OFF, 0.020 - 2.000Hz step 0.005Hz	0.050Hz
Gn Check Sync Timer	OFF, 0.1 - 100sec step 0.1sec	OFF
Gn System Sync Angle	5° - 90° step 1°	10°
Gn SS and COZ Slip Frequency	OFF, 0.010 - 2.000Hz step 0.005Hz	0.125Hz
Gn System Sync Timer	OFF, 0 – 100sec step 0.1sec	OFF
Gn CB Close Time	5-200ms step 5ms	60ms

5 STATUS CONFIG MENU

SETTING	RANGE	DEFAULT
Manual Close	S1..S13	None
A/R Out	S1..S13	None
A/R In	S1..S13	None
Inhibit Close	S1..S13	None
Block Reclose	S1..S13	None
Reclose Lockout	S1..S13	None
Block Second Shot	S1..S13	None
A Trip	S1..S13	None
B Trip	S1..S13	None
C Trip	S1..S13	None
3 Trip	S1..S13	None
Intertrip Receive	S1..S13	None
CB A Aux One	S1..S13	None
CB B Aux One	S1..S13	None
CB C Aux One	S1..S13	None
CB A Aux Two	S1..S13	None
CB B Aux Two	S1..S13	None
CB C Aux Two	S1..S13	None
Sync Override	S1..S13	None
Manual Sync Override	S1..S13	None
Reset lockout	S1..S13	None

SETTING	RANGE	DEFAULT
CMS Change One	S1..S13	None
CMS Change Two	S1..S13	None
CMS Change Three	S1..S13	None
Master Slave	S1..S13	None
Switch Groups	S1..S13	None
Trigger Storage	S1..S13	None

6 REYLOGIC CONTROL MENU

SETTING	RANGE	DEFAULT
General Logic	Enable/Disable	Enable

7 REYLOGIC ELEMENTS MENU

SETTING	RANGE	DEFAULT
ManualCloseTimer PU	0-60000ms step 1ms	15
ManualCloseTimer DO	0-60000ms step 1ms	0
InhibitCloseTimer PU	0-60000ms step 1ms	15
InhibitCloseTimer DO	0-60000ms step 1ms	0
AROutTimer PU	0-60000ms step 1ms	15
AROutTimer DO	0-60000ms step 1ms	0
ARInTimer PU	0-60000ms step 1ms	15
ARInTimer DO	0-60000ms step 1ms	0
TripATimer PU	0-60000ms step 1ms	15
TripATimer DO	0-60000ms step 1ms	0
TripBTimer PU	0-60000ms step 1ms	15
TripBTimer DO	0-60000ms step 1ms	0
TripCTimer PU	0-60000ms step 1ms	15
TripCTimer DO	0-60000ms step 1ms	0
Trip3Timer PU	0-60000ms step 1ms	15
Trip3Timer DO	0-60000ms step 1ms	0
RecloseLoTimer PU	0-60000ms step 1ms	15
RecloseLoTimer DO	0-60000ms step 1ms	0
ResetLOTimer PU	0-60000ms step 1ms	15
ResetLOTimer DO	0-60000ms step 1ms	0
ITReceiveTimer PU	0-60000ms step 1ms	15
ITReceiveTimer DO	0-60000ms step 1ms	0
Block2ShotTimer PU	0-60000ms step 1ms	15
Block2ShotTimer DO	0-60000ms step 1ms	0
BlockARTimer PU	0-60000ms step 1ms	15
BlockARTimer DO	0-60000ms step 1ms	0

8 OUTPUT RELAY MENU

SETTING	RANGE	DEFAULT
Close Pulse	RL1..RL13	None
Lockout	RL1..RL13	None
A/R Out Of Service	RL1..RL13	None
A/R In Service	RL1..RL13	None
A/R In Progress	RL1..RL13	None
Successful Close	RL1..RL13	None
3PTS	RL1..RL13	None
CB Failed To Close	RL1..RL13	None
Manual Close Fail	RL1..RL13	None
Close Onto Fault	RL1..RL13	None
Check Sync Start	RL1..RL13	None
Three Pole In Op	RL1..RL13	None
Single Pole In Op	RL1..RL13	None
CB A Open	RL1..RL13	None
CB B Open	RL1..RL13	None
CB C Open	RL1..RL13	None
CB A Closed	RL1..RL13	None
CB B Closed	RL1..RL13	None
CB C Closed	RL1..RL13	None
CB A Indeterminate	RL1..RL13	None
CB B Indeterminate	RL1..RL13	None
CB C Indeterminate	RL1..RL13	None
Total CB Count Alarm	RL1..RL13	None
Delta CB Count Alarm	RL1..RL13	None
CB In Service	RL1..RL13	None
CB Not In Ser Alarm	RL1..RL13	None
CB Memory	RL1..RL13	None
Persistent Intertrip	RL1..RL13	None
Manual Close	RL1..RL13	None
Line VT Failure	RL1..RL13	None
Bus VT Failure	RL1..RL13	None
VT Failure	RL1..RL13	None
Reclose Lockout	RL1..RL13	None
Block Reclose Alarm	RL1..RL13	None
Inhibit Close	RL1..RL13	None
Live Line	RL1..RL13	None
Live Bus	RL1..RL13	None
In Sync	RL1..RL13	None
System Split	RL1..RL13	None
3PTS Flag	RL1..RL13	None
PCD Timeout	RL1..RL13	None
A/R Not Allowed	RL1..RL13	None
CMS Change Allowed	RL1..RL13	None
Sync In Prog Flag	RL1..RL13	None
Dead Line Close Flag	RL1..RL13	None

SETTING	RANGE	DEFAULT
Dead Bus Close Flag	RL1..RL13	None
1P Close Flag	RL1..RL13	None
Inhibit SeqIsolation	RL1..RL13	None
A Trip	RL1..RL13	None
B Trip	RL1..RL13	None
C Trip	RL1..RL13	None
Three Trip	RL1..RL13	None
CB Failed to Open	RL1..RL13	None
CB Pole Discrepancy	RL1..RL13	None
Inhibit SeqIsolation OP	RL1..RL13	None
New Data Stored	RL1..RL13	None
ExtGroupSwitched	RL1..RL13	None
Hand Reset Outputs	RL1..RL13	None
Protection Healthy	RL1..RL13	1

9 LED MENU

SETTING	RANGE	DEFAULT
Close Pulse	L1..L16/32	
Lockout	L1..L16/32	
A/R Out Of Service	L1..L16/32	
A/R In Service	L1..L16/32	
A/R In Progress	L1..L16/32	
Successful Close	L1..L16/32	
3PTS	L1..L16/32	
CB Failed To Close	L1..L16/32	
Manual Close Fail	L1..L16/32	
Close Onto Fault	L1..L16/32	
Check Sync Start	L1..L16/32	
Three Pole In Op	L1..L16/32	
Single Pole In Op	L1..L16/32	
CB A Open	L1..L16/32	
CB B Open	L1..L16/32	
CB C Open	L1..L16/32	
CB A Closed	L1..L16/32	
CB B Closed	L1..L16/32	
CB C Closed	L1..L16/32	
CB A Indeterminate	L1..L16/32	
CB B Indeterminate	L1..L16/32	
CB C Indeterminate	L1..L16/32	
Total CB Count Alarm	L1..L16/32	
Delta CB Count Alarm	L1..L16/32	
CB In Service	L1..L16/32	
CB Not In Ser Alarm	L1..L16/32	
CB Memory	L1..L16/32	
Persistent Intertrip	L1..L16/32	
Manual Close	L1..L16/32	

SETTING	RANGE	DEFAULT
Line VT Failure	L1..L16/32	
Bus VT Failure	L1..L16/32	
VT Failure	L1..L16/32	
Reclose Lockout	L1..L16/32	
Block Reclose Alarm	L1..L16/32	
Inhibit Close	L1..L16/32	
Live Line	L1..L16/32	
Live Bus	L1..L16/32	
In Sync	L1..L16/32	
System Split	L1..L16/32	
3PTS Flag	L1..L16/32	
PCD Timeout	L1..L16/32	
A/R Not Allowed	L1..L16/32	
CMS Change Allowed	L1..L16/32	
Sync In Prog Flag	L1..L16/32	
Dead Line Close Flag	L1..L16/32	
Dead Bus Close Flag	L1..L16/32	
1P Close Flag	L1..L16/32	
Inhibit SeqIsolation	L1..L16/32	
A Trip	L1..L16/32	
B Trip	L1..L16/32	
C Trip	L1..L16/32	
Three Trip	L1..L16/32	
CB Failed to Open	L1..L16/32	
CB Pole Discrepancy	L1..L16/32	
Inhibit SeqIsolation OP	L1..L16/32	
New Data Stored	L1..L16/32	
ExtGroupSwitched	L1..L16/32	
Hand Reset Outputs	L1..L16/32	
Protection Healthy	L1..L16/32	

10 DATA STORAGE MENU

SETTING	RANGE	DEFAULT
Waveform Pre-trigger	OFF, 10%-100% step 10%	50%

11 COMMS INTERFACE MENU

SETTING	RANGE	DEFAULT
Relay Address	0 - 254	0
IEC870 on port	COM1/COM2	COM1
COM1 Baud Rate	75, 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19200	19200
COM1 Parity	NONE, EVEN	EVEN
COM1 Line Idle	LIGHT ON, LIGHT OFF	LIGHT OFF
COM1 Data Echo	OFF / ON	OFF
COM2 Baud Rate	75, 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19200	19200

SETTING	RANGE	DEFAULT
COM2 Parity	NONE, EVEN	NONE
COM2 Line Idle	LIGHT ON, LIGHT OFF	LIGHT OFF
COM2 Data Echo	OFF / ON	OFF
COM2 Direction	AUTO-DETECT/FRONT PORT/REAR PORT	AUTO-DETECT