



TSC900 FACTORY DEFAULT SETTINGS

NOTE : REFER TO OPTION DRAWINGS FOR APPLICABLE CHANGES TO FACTORY DEFAULT SETTINGS

PARAMETER	DEFAULT	RANGE
GENERATOR (SOURCE 2) START DELAY	3 SEC	0-60 SEC
GENERATOR (SOURCE 2) WARM UP DELAY	2 SEC	0-3600 SEC
GENERATOR (SOURCE 2) COOL DOWN DELAY	300 SEC	0-3600 SEC
UTILITY (SOURCE 1) RETURN DELAY	300 SEC	0-3600 SEC
TRANSFER NEUTRAL DELAY	3 SEC	0-120 SEC
TRANSFER FAIL DELAY	30 SEC	0-120 SEC
EXERCISE TIMER	PROG.	PROG.
GENERATOR (SOURCE 2) UNDER VOLTAGE DELAY	3 SEC	0-10 SEC
GENERATOR (SOURCE 2) UNDER FREQUENCY DELAY	5 SEC	0-10 SEC
GENERATOR (SOURCE 2) UNDER VOLTAGE PICK UP	90%	75-100%
GENERATOR (SOURCE 2) UNDER VOLTAGE DROP OUT	85%	70-95%
UTILITY (SOURCE 1) UNDER VOLTAGE DELAY	1 SEC	0-10 SEC
UTILITY (SOURCE 1) UNDER VOLTAGE PICK UP	90%	75-100%
UTILITY (SOURCE 1) UNDER VOLTAGE DROP OUT	85%	70-95%

ALL SETTINGS ARE FIELD ADJUSTABLE UNLESS NOTED. REFER TO THE TSC900 MANUAL FOR A COMPLETE LISTING OF ALL TSC900 SETTINGS.

FACTORY DEFAULT DIGITAL OUTPUT FUNCTION

NOTE : REFER TO OPTION DRAWINGS FOR APPLICABLE CHANGES TO FACTORY DEFAULT SETTINGS

DO-#	DIGITAL OUTPUT FUNCTION	TAG NAME	POLARITY
DO-1	DEAD BUS STATUS	trp.load.block	TRUE
DO-2	LOAD ON UTILITY	tip.switch.onsrc.1	TRUE
DO-3	LOAD ON GENERATOR	tip.switch.onsrc.2	TRUE
DO-4	TRANSFER FAIL ALARM	alm.xfr.fail	TRUE
DO-5	LOAD DISCONNECT CONTACT (LDC). PRE/POST TRANSFER OUTPUT	ctl ldc	TRUE
DO-6	AUTOMATIC SYNC INITIATE	ctl.sync.ext	TRUE
DO-7	ATS NOT IN AUTO	future	TRUE
DO-8	UTILITY POWER FAIL (UPF)	trp.src.1.any	TRUE

STANDARD OUTPUT TABLES PROVIDED ARE FOR STANDARD OPEN / CLOSED TRANSITION ATS(s). FOR DUAL SOURCE / STANDBY OPTIONS, REFER TO TSC900 MANUAL

FACTORY DEFAULT DIGITAL INPUT FUNCTION

NOTE : REFER TO OPTION DRAWINGS FOR APPLICABLE CHANGES TO FACTORY DEFAULT SETTINGS

DI-#	DIGITAL INPUT FUNCTION	TAG NAME	POLARITY
DI-1	REMOTE TEST - UTILITY POWER FAILURE SIMULATE	test.req.remote.a	TRUE
DI-2	REMOTE ALARM RESET	ctl.reset.req	TRUE
DI-3	SERVICE DISCONNECT MODE ACTIVATED	ctl.discon.req.a	TRUE
DI-4	UTILITY POWER SWITCHING DEVICE (USD) OPEN	tip.switch.opened.1	TRUE
DI-5	GENERATOR POWER SWITCHING DEVICE (GSD) OPEN	tip.switch.opened.1	TRUE
DI-6	TRANSFER CONTROL IN MANUAL	ctl.man.req.a	TRUE
DI-7	TRANSFER CONTROL IN CLOSED TRANSITION MODE	ilk.xfr.closed.inhibit	FALSE
DI-8	IN-SYNC TRANSFER PERMIT	ctl.synced.ext	TRUE
DI-9	CLOSED TRANSITION INHIBIT (UTILITY PROTECTION RELAY TRIP)	ilk.xfr.closed.inhibit.prot	TRUE
DI-10	NOT MAPPED		
DI-11	NOT MAPPED		
DI-12	NOT MAPPED		
DI-13	NOT MAPPED		
DI-14	NOT MAPPED		
DI-15	NOT MAPPED		
DI-16	NOT MAPPED		

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GENERAL NOTES

- "USD OPEN" AND "GSD OPEN" DIGITAL INPUTS ARE REQUIRED ONLY FOR ATS MECHANISMS USING TRIP AND CLOSE COILS. REFER TO SHEET 20A FOR DETAILS
- "43TMS IN MANUAL MODE" DIGITAL INPUT IS REQUIRED ONLY FOR CLOSED TRANSITION ATS(s)
- COLOR CODE: ALL WIRING IS GREY UNLESS NOTED. SAFETY GROUND WIRES ARE GREEN

TSC 900 CONTROL PLATE ASSEMBLY

DESCRIPTION	PART ID
STANDARD S STYLE	014410
STANDARD ICS / MO STYLE	014416

TSC 900 WIRE HARNESS

DESCRIPTION	PART ID
STANDARD S STYLE	014407
STANDARD ICS / MO STYLE	014431

COLOR KEY

BK	BLACK
BE	BLUE
BN	BROWN
GN	GREEN
GY	GREY
OR	ORANGE
PE	PURPLE
R	RED
W	WHITE
Y	YELLOW
V	VIOLET

PARAMETER MODBUS RTU SETTINGS

SLAVE ID	1
PORT NAME	COM 4
BAUD RATE	57600
PARITY	NONE
STOP BUS	ONE

APPROVED FOR CONSTRUCTION
 MASTER COPY REFERENCE COPY OF _____
 MULTIPLE UNIT WORK ORDER
 RELEASED FOR INFORMATION
 AUTH. BY: _____ DATE: _____

CROSS REFERENCE LEGEND

50C-C-1

DRAWING No.	REFERENCE DRAWINGS	REVISIONS	BY	OG	DATE
1	WIRE HARNESS UPDATED AS PER ECR-0114744		AP	OG	16-07-22



AUTOMATIC TRANSFER SWITCH
 TSC 900 TRANSFER SWITCH CONTROLLER
 ATS DC CONTROL SCHEMATIC, STD
 100 - 4000A

DRAWINGS AND OR OTHER TECHNICAL INFORMATION SUPPLIED BY THOMSON POWER SYSTEMS AS A PART OF A SALE OF EQUIPMENT ARE FOR THE PURCHASER'S USE SOLELY IN CONJUNCTION WITH THAT EQUIPMENT, UNLESS SPECIFICALLY AGREED TO OTHERWISE AS A PART OF THE TERMS OF SALE.

FOR REVIEW ONLY

CUSTOMER THOMSON POWER SYSTEMS	
CUSTOMER ORDER No. C-XXXXXX	WORK ORDER No. W-XXXXXX
DRAWN BY AP	AUTH BY OG
DATE 16-01-26	REV 1
DRAWING/FILE No. TSC900E101	SHEET 20C