Imprimir formulario

SDRIVE
450 Series
VARIABLE SPEED DRIVE

frequency converter

Configuration Register

Edition: may 2006

SD45RC0001AI Rev. A

1. INTRODUCTION



1. Removable display with independent memory
2. Cables input

2. CONFIGURATION REGISTER

VARIABLE SPEED DRIVE: SD450.

SERIAL No: MODEL:

APPLICATION:

DATE:

CUSTOMER:

NOTES:

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
DRV GROUP: Basic functions and display parameters			
DRV-00► Cmd.Freq	0.00Hz		
DRV-00► R 0.0%F 0.0%	0.0%		
DRV-01► Acc. Time	20.0sec		
DRV-02► Dec. Time	30.0sec		
DRV-03► Drive mode	Fx/Rx-1		
DRV-04► Freq mode	Keypad-1		
DRV-05► Step Freq-1	10.00 Hz		
DRV-06► Step Freq-2	20.00 Hz		
DRV-07► Step Freq-3	30.00 Hz		
DRV-08► Current	0.0 A		
DRV-09► Speed	0rpm		
DRV-10► DC link Vtg	----- V		
DRV-11► User disp	Out 0.0 V		
DRV-12► Fault	None		
DRV-14► TAR / OUT	0.00Hz / 0.00Hz		
DRV-15► REF / FBK	00.00% / 00.00%		
DRV-16► Hz/Rpm Disp	Hz		
DRV-18 **R 0.0Hz T 0.0Hz** **F 0.0Hz O 0.0Hz**	-		
DRV-19 **V1 0 V2 0** **V1S 0 I 0**	-		
DRV-20 **R 0.00% O 0.0%** **F 0.00% DRV-20**	-		
DRV-91► Drive mode2	Fx/Rx-1		
DRV-92► Freq mode2	Keypad-1		

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
FU1 GROUP: Functions 1			
FU1-00 ► Jump code	1		
FU1-01 ► Run Prev.	None		
FU1-02 ► Acc. pattern	Linear		
FU1-03 ► Dec. pattern	Linear		
FU1-04 ► Start Curve	50%		
FU1-05 ► End Curve	50%		
FU1-10 ► Pre-Heat Mode	No		
FU1-11 ► PreHeat Level	30%		
FU1-12 ► PreHeat Perc	100%		
FU1-20 ► Start mode	Accel		
FU1-21 ► DC St time	0.0sec		
FU1-22 ► DC St value	50%		
FU1-23 ► Stop mode	Decel		
FU1-24 ► DC Blk time	0.10sec		
FU1-25 ► DC Br Frq	5.00Hz		
FU1-26 ► DC Br time	1.0sec		
FU1-27 ► DC Br value	50%		
FU1-28 ► Safety Stop	No		
FU1-29 ► Line Freq	50.00Hz		
FU1-30 ► Max Freq	50.00Hz		
FU1-31 ► Base Freq	50.00Hz		
FU1-32 ► Start Freq	0.50Hz		
FU1-33 ► Freq limit	No		
FU1-34 ► F-limit Lo	0.50Hz		
FU1-35 ► F-limit-Hi	50.00Hz		
FU1-40 ► V/F pattern	Linear		
FU1-41 ► User Freq 1	15.00Hz		
FU1-42 ► User Volt 1	25%		
FU1-43 ► User Freq 2	30.00Hz		
FU1-44 ► User Volt 2	50%		
FU1-45 ► User Freq 3	45.00Hz		
FU1-46 ► User Volt 3	75%		
FU1-47 ► User Freq 4	50.00Hz		
FU1-48 ► User Volt 4	100%		
FU1-49 ► VAC 400.4V	91.0%		
FU1-50 ► Motor Volt	400V		
FU1-51 ► Energy save	None		

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
FU1-52 ► Manual save %	0%		
FU1-54 ► KiloWattHour	0M 0.0kW		
FU1-55 ► Inv. Temp.	25		
FU1-56 ► Motor Temp.	0		
FU1-60 ► ETH select	Yes		
FU1-61 ► ETH 1min	150%		
FU1-62 ► ETH cont	105%		
FU1-63 ► Motor type	Self-cool		
FU1-64 ► OL level	110%		
FU1-65 ► OL time	10.0sec		
FU1-66 ► OLT select	Yes		
FU1-67 ► OLT level	120%		
FU1-68 ► OLT time	60.0sec		
FU1-69 ► Trip select	100		
FU1-70 ► Stall prev.	000		
FU1-71 ► Stall level	100%		
FU1-72 ► Acc/Dec ch F	0.00Hz		
FU1-73 ► Acc/Dec Freq	Max		
FU1-74 ► Time scale	0.1sec		
FU1-80 ► Up/Dn Save	No		
FU1-81 ► Run Delay T	0.0sec		
FU1-85 ► ULT select	No		
FU1-86 ► ULT level	30%		
FU1-87 ► ULT Freq	15.00Hz		
FU1-88 ► ULT time	0.0sec		
FU1-90 ► STOP Inertia	8		

FU2 GROUP: Functions 2

FU2-00 ► Jump code	40		
FU2-01 ► Last trip-1	None		
FU2-02 ► Last trip-2	None		
FU2-03 ► Last trip-3	None		
FU2-04 ► Last trip-4	None		
FU2-05 ► Last trip-5	None		
FU2-06 ► Erase trips	No		
FU2-07 ► Dwell time	0.0sec		
FU2-08 ► Dwell Freq	5.00Hz		
FU2-10 ► Jump Freq	No		
FU2-11 ► jump Lo 1	10.00Hz		

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
FU2-12 ► jump Hi 1	15.00Hz		
FU2-13 ► jump Lo 2	20.00Hz		
FU2-14 ► jump Hi 2	25.00Hz		
FU2-15 ► jump Lo 3	30.00Hz		
FU2-16 ► jump Hi 3	35.00Hz		
FU2-20 ► Power-on run	No		
FU2-21 ► RST restart	No		
FU2-22 ► Speed Search	0000		
FU2-23 ► SS P-Gain	200		
FU2-24 ► SS I-Gain	500		
FU2-25 ► Retry number	0		
FU2-26 ► Retry delay	1.0sec		
FU2-40 ► Motor select	__._kW		
FU2-41 ► Pole number	4		
FU2-42 ► Rated-Slip	_.__Hz		
FU2-43 ► Rated-Curr	__._A		
FU2-44 ► Noload-Curr	__._A		
FU2-45 ► Efficiency	__%		
FU2-46 ► Inertia rate	0		
FU2-47 ► RPM factor	100%		
FU2-48 ► Carrier freq	_._kHz		
FU2-49 ► PWM Select	Normal1		
FU2-60 ► Control mode	V/F		
FU2-61 ► Auto Tuning	No		
FU2-62 ► Rs	_.___ohm		
FU2-63 ► Lsigma	_.__mH		
FU2-64 ► PreEx Time	1.0sec		
FU2-65 ► SL P-Gain	1000		
FU2-66 ► SL I-Gain	100		
FU2-67 ► Torque boost	Manual		
FU2-68 ► Fwd boost	2.0%		
FU2-69 ► Rev boost	2.0%		
FU2-80 ► PowerOndisp	0		
FU2-81 ► User disp	Volts		
FU2-82 ► S/W PE x.x	S/W PE 1.1 Ver 0.3		
FU2-83 ► LastTripTime	0:00:00:00:00		
FU2-84 ► On-Time	0:00:00:00:00		
FU2-85 ► Run-time	0:00:00:00:00		

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
FU2-87 ► Power Set	100.0%		
FU2-90 ► Para. disp	Default		
FU2-91 ► Para. read	No		
FU2-92 ► Para. write	No		
FU2-93 ► Para. init	No		
FU2-94 ► Para. lock	0		
FU2-95 ► Para. save	No		
I/O GROUP: Inputs and Outputs			
I/O-00 ► Jump code	1		
I/O-01 ► V1 Filter	250ms		
I/O-02 ► V1 volt x1	0.00V		
I/O-03 ► V1 Freq y1	0.00Hz		
I/O-04 ► V1 volt x2	10.00V		
I/O-05 ► V1 Freq y2	50.00Hz		
I/O-06 ► I Filter	250ms		
I/O-07 ► I curr x1	4.00mA		
I/O-08 ► I Freq y1	0.00Hz		
I/O-09 ► I curr x2	20.00mA		
I/O-10 ► I Freq y2	50.00Hz		
I/O-11 ► P pulse set	(A)		
I/O-12 ► P Filter	10ms		
I/O-13 ► P pulse x1	0.0kHz		
I/O-14 ► P Freq y1	0.00Hz		
I/O-15 ► P pulse x2	10.0kHz		
I/O-16 ► P Freq y2	50.00Hz		
I/O-17 ► Wire broken	None		
I/O-18 ► Lostcommand	None		
I/O-19 ► Time out	1.0sec		
I/O-20 ► M1 define	Speed-L		
I/O-21 ► M2 define	Speed-M		
I/O-22 ► M3 define	Speed-H		
I/O-23 ► M4 define	RST		
I/O-24 ► M5 define	BX		
I/O-25 ► M6 define	JOG		
I/O-26 ► M7 define	FX		
I/O-27 ► M8 define	RX		
I/O-28 ► In status	00000000000		
I/O-29 ► Ti Filt Num	15ms		

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
I/O-30 ► Jog Freq	10.00Hz		
I/O-31 ► Step Freq-4	40.00Hz		
I/O-32 ► Step Freq-5	50.00Hz		
I/O-33 ► Step Freq-6	40.00Hz		
I/O-34 ► Step Freq-7	30.00Hz		
I/O-35 ► Step Freq-8	20.00Hz		
I/O-36 ► Step Freq-9	10.00Hz		
I/O-37 ► Step Freq-10	20.00Hz		
I/O-38 ► Step Freq-11	30.00Hz		
I/O-39 ► Step Freq-12	40.00Hz		
I/O-40 ► Step Freq-13	50.00Hz		
I/O-41 ► Step Freq-14	40.00Hz		
I/O-42 ► Step Freq-15	30.00Hz		
I/O-50 ► Acc time-1	20.0sec		
I/O-51 ► Dec time-1	20.0sec		
I/O-52 ► Acc time-2	30.0sec		
I/O-53 ► Dec time-2	30.0sec		
I/O-54 ► Acc time-3	40.0sec		
I/O-55 ► Dec time-3	40.0sec		
I/O-56 ► Acc time-4	50.0sec		
I/O-57 ► Dec time-4	50.0sec		
I/O-58 ► Acc time-5	40.0sec		
I/O-59 ► Dec time-5	40.0sec		
I/O-60 ► Acc time-6	30.0sec		
I/O-61 ► Dec time-6	30.0sec		
I/O-62 ► Acc time-7	20.0sec		
I/O-63 ► Dec time-7	20.0sec		
I/O-68 ► S0 Level	0.0%		
I/O-69 ► S1 Level	0.0%		
I/O-70 ► S0 mode	Frequency		
I/O-71 ► S0 adjust	100%		
I/O-72 ► S1 mode	Voltage		
I/O-73 ► S1 adjust	100%		
I/O-74 ► FDT Freq	30.00Hz		
I/O-75 ► FDT band	10.00Hz		
I/O-76 ► Aux mode1	None		
I/O-77 ► Aux mode2	None		
I/O-78 ► Aux mode3	None		

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
I/O-79 ► Aux mode4	None		
I/O-80 ► Relay mode	010		
I/O-81 ► Out status	00000000		
I/O-82 ► Relay On	0.0sec		
I/O-83 ► Relay Off	0.0sec		
I/O-84 ► Fan Con.Sel	PowerOn Fan		
I/O-85 ► Fan Temp	70		
I/O-86 ► V1 Unit Sel	Speed		
I/O-87 ► I Unit Sel	Speed		
I/O-88 ► PulseUnitSel	Speed		
I/O-90 ► Inv No.	1		
I/O-91 ► Baud rate	9600bps		
I/O-92 ► COM Lost Cmd	None		
I/O-93 ► COM Time Out	1.0sec		
I/O-94 ► Delay time	5ms		
I/O-95 ► In NO/NC Set	00000000000		
I/O-96 ► In Check Time	1ms		
I/O-97 ► OH Trip Sel	010		
I/O-98 ► MotTripTemp	110		

APP GROUP: Applications

APP-00 ► Jump code	1		
APP-01 ► proc PI mode	No		
APP-02 ► App. mode	None		
APP-04 ► AuxRefMode	No		
APP-05 ► Aux Ref Sel	V1		
APP-06 ► PID F/B	I		
APP-07 ► PID P-Gain	100.0%		
APP-08 ► PID I-Time	0.5sec		
APP-09 ► PID D-Time	0.0ms		
APP-10 ► PID Limit-H	50.00Hz		
APP-11 ► PID Limit-L	0.50Hz		
APP-12 ► PID OutScale	100.0%		
APP-13 ► PID P2-Gain	100.0%		
APP-14► P-gain Scale	100.0%		
APP-15 ► PID Out Inv.	No		
APP-17 ► PID U Fbk	No		
APP-18 ► FB Filter	10ms		
APP-20 ► 2nd Acc time	5.0sec		

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
APP-21 ► 2nd Dec time	10.0sec		
APP-22 ► 2ndBaseFreq	50.00Hz		
APP-23 ► 2 nd V/F	Linear		
APP-24 ► 2nd F-boost	2.0%		
APP-25 ► 2nd R-boost	2.0%		
APP-26 ► 2nd Stall	100%		
APP-27 ► 2ndETH1min	130%		
APP-28 ► 2ndETH cont	120%		
APP-29 ► 2nd R-Curr	_._A		
APP-30 ► Aux Mot Run	0		
APP-31 ► Starting Aux	1		
APP-32 ► AutoOp Time	00:00		
APP-33 ► Nbr Aux's	4		
APP-40 ► Sleep Delay	60.0sec		
APP-41 ► Sleep Freq0	0.00Hz		
APP-42 ► Sleep Freq1	0.00Hz		
APP-43 ► Sleep Freq2	0.00Hz		
APP-44 ► Sleep Freq3	0.00Hz		
APP-45 ► Sleep Freq4	0.00Hz		
APP-46 ► Sleep Freq5	0.00Hz		
APP-47 ► Sleep Freq6	0.00Hz		
APP-48 ► Sleep Freq7	0.00Hz		
APP-49 ► WakeUp level	2.0%		
APP-50 ► Start Freq 1	49.50Hz		
APP-51 ► Start Freq 2	49.50Hz		
APP-52 ► Start Freq 3	49.50Hz		
APP-53 ► Start Freq 4	49.50Hz		
APP-54 ► Stop Freq 1	20.00Hz		
APP-55 ► Stop Freq 2	20.00Hz		
APP-56 ► Stop Freq 3	20.00Hz		
APP-57 ► Stop Freq 4	20.00Hz		
APP-58 ► Aux start DT	5.0sec		
APP-59 ► Aux stop DT	5.0sec		
APP-60 ► AUX AccTime	2.0sec		
APP-61 ► AUX DecTime	2.0sec		
APP-66► AutoCh_Mode	0		
APP-67 ► AutoExt-intv	72:00		
APP-69 ► Inter-lock	No		

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
APP-71 ► Aux STT FB	2%		
APP-72 ► Aux STP FB	0%		
APP-74 ► PrePID Freq	0.00Hz		
APP-75 ► PrePID F/B	0.0%		
APP-76 ► PrePID dly	600sec		
APP-77► Pbroken mode	No		
APP-80 ► Ext PI mode	No		
APP-81 ► Ext Ref Sel	Keypad		
APP-82 ► Ext Ref Perc	50.00%		
APP-83 ► Ext Fbk Sel	I		
APP-85 ► ExtPID Pgain	1.0%		
APP-86 ► ExtPID Itime	10.0sec		
APP-87 ► ExtPID Dtime	0ms		
APP-88 ► ExtPID Imt-H	100.00%		
APP-89 ► ExtPID Imt-L	0.00%		
APP-90 ► ExtPID Scale	100.0%		
APP-91 ► Ext P2-gain	100.0%		
APP-92 ► Ext P Scale	100.0%		
APP-93 ► ExtPID Fgain	0.0%		
APP-95 ► ExtPIDOutInv	No		
APP-97 ► ExtLoopTime	100ms		



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