



UDC 3500 Application Note

Configuration Record Sheet

Enter the value or selection for each prompt on this sheet so you will have a record of how your controller was configured.

Configuration Record Sheet

Group Prompt	Function Prompt	Value or Selection	Factory Setting
LOOP 1 TUNING	PROP BD or GAIN		1.000
	RATE MIN		0.00
	RSET MIN or RSET RPM		1.00
	MAN RSET		0
	PROP BD2 or GAIN2		1.00
	RATE 2 MIN		0.00
	RSET2MIN or RSET2RPM		1.00
	PROP BD3or GAIN3		1.00
	RATE 3 MIN		0.00
	RSET3MIN or RSET3RPM		1.00
	PROP BD4or GAIN4		1.00
	RATE 4MIN		0.00
	RSET4MIN or RSET4RPM		1.00
	CYC SEC or CYC SX3		20
	CYC2SEC or CYC2SX3		20
	SECURITY		0
LOCKOUT		CALIB	
AUTO MAN		ENABLE	
RUN HOLD		ENABLE	
SP SEL		ENABLE	
LOOP 2 TUNING	PROP BD or GAIN		1.000
	RATE MIN		0.00
	RSET MIN or RSET RPM		1.00
	MAN RSET		0
	PROP BD2 or GAIN2		1.00
	RATE 2 MIN		0.00
	RSET2MIN or RSET2RPM		1.00
	PROP BD3or GAIN3		1.00
	RATE 3 MIN		0.00
	RSET3MIN or RSET3RPM		1.00
	PROP BD4or GAIN4		1.00
	RATE 4MIN		0.00
RSET4MIN or RSET4RPM		1.00	
CYC SEC or CYC SX3		20	
SP RAMP	SP RAMP		DISABLE
	TIME MIN		3
	FINAL SP		1000
	HOT START		DISABLE
	SP RATE		DISABLE
	EU/HR UP		0
	EU/HR DN		0
SP PROG	For SP Program record sheet – see Error! Reference source not found.		
ACCUTUNE	FUZZY		DISABLE
	ACCUTUNE		DISABLE
	DUPLEX		MANUAL
	SP CHANGE		10
	KPG		1.00
CRITERIA		FAST	



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Group Prompt	Function Prompt	Value or Selection	Factory Setting
	ACCUTUN2		DISABLE
	DUPLEX		MANUAL
	SP CHANG2		10
	KPG2		1.00
	CRITERIA2		FAST
	AT ERROR		READ ONLY
	AT ERR 2		READ ONLY
ALGORITHM	CONT ALG		PID A
	PIDLOOPS		1 or 2
	CONT2ALG		PID A
	OUT OVRD		DISABLE
	TIMER		DISABLE
	PERIOD		0.01
	START		KEY
	LWR DISP		TI REM
	RESET		KEY
	INCREMENT		MINUTE
	INALG1		NONE
	MATH K		--
	CALC HI		--
	CALC LO		--
	ALG1 INA		--
	ALG 1 INB		--
	ALG1 INC		--
	PCO SEL		DISABLE
	PCT CO		0.200
	PCT H2		--
	ATM PRESS		780.0
	ALG1 BIAS		--
	INALG2		NONE
	MATH K2		--
	CALC HI		--
	CALC LOW		--
	ALG2 INA		--
	ALG2 INB		--
	ALG2 INC		--
	ALG2 BIAS		--
MATH	8SEG CH1		DISABLE
	X1 VALUE		0
	X2 VALUE		0
	X3 VALUE		0
	X4 VALUE		0
	X5 VALUE		0
	X6 VALUE		0
	X7 VALUE		0
	X8 VALUE		0
	Y1 VALUE		0
	Y2 VALUE		0
	Y3 VALUE		0
	Y4 VALUE		0
	Y5 VALUE		0
	Y6 VALUE		0



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Group Prompt	Function Prompt	Value or Selection	Factory Setting
	Y7 VALUE		0
	Y8 VALUE		0
	8 SEG CH2		DISABLE
	X9 VALUE		0
	X10 VALUE		0
	X11 VALUE		0
	X12 VALUE		0
	X13 VALUE		0
	X14 VALUE		0
	X15 VALUE		0
	X16 VALUE		0
	X17 VALUE		0
	Y9 VALUE		0
	Y10 VALUE		0
	Y11 VALUE		0
	Y12 VALUE		0
	Y13 VALUE		0
	Y14 VALUE		0
	Y15 VALUE		0
	Y16 VALUE		0
	Y17 VALUE		0
	TOTALIZE		DISABLE
	ΣXXXXXXX	--	--
	TOT SCALE		E0
	TOT SCR		UNLOCK
	Σ RESET?		NO
	TOT RATE		SECOND
	POLYNOM		DISABLE
	C0 VALUE		0
	C1 VALUE		0
	C2 X 10 ⁻¹		0
	C2 X 10 ⁻³		0
	C2 X 10 ⁻⁵		0
	C2 X 10 ⁻⁷		0
LOGIC	LOG GATE		DISABLE
	GATE1TYP		NOT USED
	GATE1INA		CONST K
	GATE1 K		0
	GATE1INB		FIXED OFF
	GATE1OUT		ANY GATE
	GATE2TYP		NOT USED
	GATE2INA		CONST K
	GATE2 K		0
	GATE2INB		FIXED OFF
	GATE2OUT		ANY GATE
	GATE3TYP		NOT USED
	GATE3INA		CONST K
	GATE3 K		0
	GATE3INB		FIXED OFF
	GATE3OUT		ANY GATE
	GATE4TYP		NOT USED
	GATE4INA		CONST K
	GATE4 K		0
	GATE4INB		FIXED OFF
	GATE4OUT		ANY GATE
	GATE5TYP		NOT USED
	GATE5INA		CONST K



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	GATE5 K		0
	GATE5INB		FIXED OFF
	GATE5OUT		ANY GATE



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Group Prompt	Function Prompt	Value or Selection	Factory Setting
OUTPUT	OUT ALG		CURRENT
	OUT RNG		100PCT
	C1 RANGE		4-20mA
	RLYSTATE		1OF2ON
	RLY TYPE		MECHAN
	MOTOR TI		5
	OUT2 ALG		CURRENT
	OUT2 RNG		100PCT
	C3 RANGE		4-20mA
	RLYSTAT2		1OF2ON
	CUR OUT1		DISABLE
	LOW VAL		0.0
HIGH VAL		100.0	



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INPUT 1	IN1 TYPE		0-10mV
	XMITTER1		LINEAR
	IN1 HIGH		1000
	IN1 LOW		0
	RATIO 1		1.00
	BIAS IN1		0
	FILTER 1		0
	BURNOUT1		NONE
EMISSIV1		0.00	
INPUT 2	IN2 TYPE		0-10mV
	XMITTER2		LINEAR
	IN2 HIGH		1000
	IN2 LOW		0
	RATIO 2		1.00
	BIAS IN2		0
	FILTER 2		0
	BURNOUT2		NONE
EMISSIV2		0.00	
INPUT 3	IN3 TYPE		0-10mV
	XMITTER3		LINEAR
	IN3 HIGH		1000
	IN3 LOW		0
	RATIO 3		1.00
	BIAS IN3		0
	FILTER 3		0
	BURNOUT3		NONE
EMISSIV3		0.00	
INPUT 4	IN4 TYPE		0-10mV
	XMITTER4		LINEAR
	IN4 HIGH		1000
	IN4 LOW		0
	RATIO 4		1.00
	BIAS IN4		0
	FILTER 4		0
	BURNOUT4		NONE
INPUT 5	IN5 TYPE		0-10mV
	XMITTER5		LINEAR
	IN5 HIGH		1000
	IN5 LOW		0
	RATIO 5		1.00
	BIAS IN5		0
	FILTER 5		0
	BURNOUT5		NONE



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CONTROL	PV SOURC		INPUT 1
	PID SETS		1 ONLY
	SW VAL12		0
	SW VAL23		0
	SW VAL34		0
	LSP'S		1 ONLY
	RSP SRC		NONE
	AUTOBIAS		DISABLE
	SP TRACK		NONE
	PWR MODE		MANUAL
	PWR OUT		LAST
	SP HiLIM		1000
	SP LoLIM		0
	ACTION		REVERSE
	OUT RATE		DISABLE
	PCT/M UP		0
	PCT/M DN		0
	OUTHILIM		100
	OUTLoLIM		0.0
	I Hi LIM		100
	I Lo LIM		0
	DROPOFF		0
	DEADBAND		1.0
	OUT HYST		0.5
	FAILMODE		NO LATCH
	FAILSAFE		0.0
	SW FAIL		0
MAN OUT		0	
AUTO OUT		0	
PBorGAIN		GAIN	
MINorRPM		MIN	
CONTROL2	PV 2SRC		INPUT 2
	LINK LPS		DISABLE
	PID SETS		1 ONLY
	SW VAL 12		0
	SW VAL23		0
	SW VAL34		0
	LSP'S		1 ONLY
	RSP SRC		NONE
	AUTOBIAS		DISABLE
	SP TRACK		NONE
	PWRMODE		MANUAL
	SP HiLIM		1000
	SP LoLIM		0
	ACTION		REVERSE
	OUT RATE		DISABLE
	PCT/M UP		0
	PCT/M DN		0
	OUTHILIM		100
	OUTLoLIM		0
	I Hi LIM		100.0
	I Lo LIM		0.0
	DROPOFF		0
	DEADBAND		1.0
	FAILMODE		NO LATCH
	FAILSAFE		0



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OPTIONS	CUR OUT2	DISABLE
	C2RANGE	4-20mA
	LOW VAL	0
	HIGH VAL	100
	CUR OUT3	DISABLE
	C3RANGE	4-20Ma
	LOW VAL	0
	HIGH VAL	100
	DIG1 INP	NONE
	DIG1 COMB	DISABLE
	DIG INP2	NONE
	DIG2 COMB	DISABLE
	DIG INP3	NONE
	DIG INP4	NONE
Dion LP2	NONE	
COM	Com ADDR	3
	ComSTATE	DISABLE
	IR ENABLE	DISABLE
	BAUD	19200
	TX DELAY	1
	WSFLOAT	FP B
	SHEDENAB	DISABLE
	SHEDTIME	0
	SHEDMODE	LAST
	SHEDSP	TO LSP
	UNITS	PERCENT
	CSP RATO	1.0
	CSP BIAS	0
	CSP2RATO	1.0
	CSP2BIAS	0
LOOPBACK	DISABLE	
ALARMS	A1S1TYPE	NONE
	A1S1 VAL	90
	A1S1 H L	HIGH
	A1S1 EV	--
	A1S2 TYPE	NONE
	A1S2 VAL	10
	A1S2 H L	LOW
	A1S2 EV	--
	ALHYST1	0.1
	A2S1TYPE	NONE
	A2S1 VAL	95
	A2S1 H L	HIGH
	A2S1 EV	--
	A2S2TYPE	NONE
	A2S2 VAL	5
	A2S2 H L	LOW
	A2S2 EV	--
	ALHYST2	0.1
	A3S1TYPE	NONE
	A3S1 VAL	95
	A3S1 H L	HIGH
	A3S1 EV	--
	A3S2TYPE	NONE
	A3S2 VAL	5
	A3S2 H L	LOW
	A3S2 EV	--
	ALHYST3	0.1
	A4S1TYPE	NONE



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	A4S1 VAL		95	
	A4S1 H L		HIGH	
	A4S1 EV		--	
	A4S2TYPE		NONE	
	A4S2 VAL		5	
	A4S2 H L		LOW	
	A4S2 EV		--	
	ALHYST4		0.1	
	ALM OUT1		NO LATCH	
	BLOCK		DISABLE	
	DIAGNOST		DISABLE	
	ALRM MSG		DISABLE	
CLOCK	HOURS		SET TO FACTORY TIME	
	MINUTES		" " " "	
	SECONDS		" " " "	
	YEAR		" " " "	
	MONTH		" " " "	
	DAY		" " " "	
	SET CLK?		" " " "	
	ADJUST		0	
MAINTNCE	TIME 1		DISABLE	
	TIME 2		DISABLE	
	TIME 3		DISABLE	
	COUNT 1		DISABLE	
	COUNT 2		DISABLE	
	COUNT 3		DISABLE	
	PASSWORD		0	
	RES TYPE		NONE	
DISPLAY	DECIMAL		XXXX	
	DECIMAL2		XXXX	
	TEMPUNIT		NONE	
	PWR FREQ		60 HZ	
	RATIO 2		DISABLE	
	LANGUAGE		ENGLISH	
	IDNUMBER		0	
TIME EVENTS	EVENT 1		NONE	
	TIME 1		--	
	HOUR 1		--	
	MINUTE 1		--	
	MONTH 1		--	
	DAY 1		--	
	EVENT 2		NONE	
	TIME 2		--	
	HOUR 2		--	
	MINUTE2		--	
	MONTH 2		--	
	DAY 2		--	
	ETHERNET AND EMAIL (Accessible via PIE Tool)	MAC Address		(case label on instrument)
		IP Address		10.0.0.2
Subnet Mask			255.255.255.0	
Default Gateway			0.0.0.0	
SMTP Address (for Outgoing)			0.0.0.0	
To Email 1			--	
From Email 1			--	
To Email 2			--	
From Email 2			--	