



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	1.5	1.000
	RATE MIN	0.72	0.00
	RSET MIN or RSET RPM	12.72	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	DISABLE
	TIME MIN		3
	FINAL SP		1000
	HOT START		DISABLE
	SP RATE	DISABLE	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	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	PID A
	PIDLOOPS		1 or 2
	CONT2ALG		PID A
	OUT OVRD		DISABLE
	TIMER	DISABLE	DISABLE
	PERIOD		0.01
	START		KEY
	LWR DISP		TI REM
	RESET		KEY
	INCREMENT		MINUTE
	INALG1	NONE	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	NONE
	MATH K2		--
	CALC HI		--
	CALC LOW		--
	ALG2 INA		--
	ALG2 INB		--
	ALG2 INC		--
	ALG2 BIAS		--
MATH	8SEG CH1	DISABLE	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	DISABLE
	ΣXXXXXXX		--
	TOT SCALE		E0
	TOT SCR		UNLOCK
	Σ RESET?		NO
	TOT RATE		SECOND
	POLYNOM	DISABLE	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	ENABLE	DISABLE
	GATE1TYP	AND	NOT USED
	GATE1INA	MAMODE	CONST K
	GATE1 K		0
	GATE1INB	LRSPL1	FIXED OFF
	GATE1OUT	RELAY1	ANY GATE
	GATE2TYP	NOTUSED	NOT USED
	GATE2INA		CONST K
	GATE2 K		0
	GATE2INB		FIXED OFF
	GATE2OUT		ANY GATE
	GATE3TYP	NOTUSED	NOT USED
	GATE3INA		CONST K
	GATE3 K		0
	GATE3INB		FIXED OFF
	GATE3OUT		ANY GATE
	GATE4TYP	NOTUSED	NOT USED
	GATE4INA		CONST K
	GATE4 K		0
	GATE4INB		FIXED OFF
	GATE4OUT		ANY GATE
	GATE5TYP	NOTUSED	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	CURRENT
	OUT RNG		100PCT
	C1 RANGE	4-20 mA	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	4-20 mA	0-10mV
	XMITTER1	LINEAR	
	IN1 HIGH	450	1000
	IN1 LOW	350	0
	RATIO 1	1	1.00
	BIAS IN1	0	0
	FILTER 1	0	0
	BURNOUT1	NONE	
	EMISSIV1		0.00
INPUT 2	IN2 TYPE	4-20 mA	0-10mV
	XMITTER2	LINEAR	
	IN2 HIGH	450	1000
	IN2 LOW	350	0
	RATIO 2	1	1.00
	BIAS IN2	0	0
	FILTER 2	0	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	DISABLE	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	INPUT 1
	PID SETS	1 ONLY	1 ONLY
	SW VAL12		0
	SW VAL23		0
	SW VAL34		0
	LSP'S	TWO	1 ONLY
	RSP SRC	INPUT 2	NONE
	AUTOBIAS	DISABLE	DISABLE
	SP TRACK	PV	NONE
	PWR MODE	AM SP	MANUAL
	PWR OUT		LAST
	SP HiLIM	450	1000
	SP LoLIM	350	0
	ACTION	REVERSE	
	OUT RATE	ENABLE	DISABLE
	PCT/M UP	10	0
	PCT/M DN	10	0
	OUTHILIM	100	
	OUTLoLIM	0	0.0
	I Hi LIM	100	100
	I Lo LIM	0	0
	DROPOFF	0	0
	DEADBAND		1.0
	OUT HYST		0.5
	FAILMODE	NO LATCH	
	FAILSAFE	10.5	0.0
	SW FAIL		0
	MAN OUT	0	0
	AUTO OUT	0	0
	PBorGAIN	GAIN	GAIN
	MINorRPM	MIN	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	INPUT 1	DISABLE
	C2RANGE	4-20mA	4-20mA
	LOW VAL	350	0
	HIGH VAL	450	100
	CUR OUT3	DISABLE	DISABLE
	C3RANGE		4-20Ma
	LOW VAL		0
	HIGH VAL		100
	DIG1 INP	MANUAL F SAFE	NONE
	DIG1 COMB	DISABLE	DISABLE
	DIG INP2	TO SP 2	NONE
	DIG2 COMB	DISABLE	DISABLE
	DIG INP3	NONE	NONE
	DIG INP4	NONE	NONE
	Dion LP2		NONE
COM	Com ADDR	1	3
	ComSTATE	DISABLE	
	IR ENABLE	ENABLE	DISABLE
	BAUD	9200	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	FAILSAFE	NONE
	A1S1 VAL		90
	A1S1 H L		HIGH
	A1S1 EV		--
	A1S2 TYPE	REM SP	NONE
	A1S2 VAL		10
	A1S2 H L		LOW
	A1S2 EV		--
	ALHYST1		0.1
	A2S1TYPE	NONE	NONE
	A2S1 VAL		95
	A2S1 H L		HIGH
	A2S1 EV		--
	A2S2TYPE	NONE	NONE
	A2S2 VAL		5
	A2S2 H L		LOW
	A2S2 EV		--
	ALHYST2		0.1
	A3S1TYPE	NONE	NONE
	A3S1 VAL		95
	A3S1 H L		HIGH
	A3S1 EV		--
	A3S2TYPE	NONE	NONE
	A3S2 VAL		5
	A3S2 H L		LOW
	A3S2 EV		--
	ALHYST3		0.1
	A4S1TYPE	NONE	NONE



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	A4S1 VAL		95
	A4S1 H L		HIGH
	A4S1 EV		--
	A4S2TYPE	NONE	NONE
	A4S2 VAL		5
	A4S2 H L		LOW
	A4S2 EV		--
	ALHYST4		0.1
	ALM OUT1	NO LATCH	NO LATCH
	BLOCK	DISABLE	DISABLE
	DIAGNOST	DISABLE	DISABLE
	ALRM MSG	DISABLE	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	ONE	XXXX
	DECIMAL2		XXXX
	TEMPUNIT	DEGF	NONE
	PWR FREQ	60 HZ	60 HZ
	RATIO 2	DISABLE	DISABLE
	LANGUAGE	ENGLISH	ENGLISH
TIME EVENTS	IDNUMBER	0	0
	EVENT 1		NONE
	TIME 1		--
	HOURL 1		--
	MINUTE 1		--
	MONTH 1		--
	DAY 1		--
	EVENT 2		NONE
	TIME 2		--
	HOURL 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		--