## Honeywell

For detailed instructions see UDC3500 Controller Product Manual 51-52-25-120.

## Step 1. Model Number Interpretation

Write your controller model number in the boxes. Then refer to Tables I, II, III, IV, and V. Circle the corresponding options to identify your controller's features. A dot indicates the feature is available.

				-			] - [			-			-				-		
	Key Nu	mber			Tabl	еI		Table	e II		Т	able III		Т	able IV			Table	۰V

Instructions									
<ul> <li>Select the desired k</li> </ul>	ey number. The arrow to the right marks the selection available.								
<ul> <li>Make the desired set</li> </ul>	elections from Tables I through VI using the column below the								
proper arrow. A	dot (• ) denotes availability.								
Key Number									
-	*    *    *     *       -     -						Ava	ailabili	ity
							DC	3500	3501
	500 Single & Duel Leen Centreller				I ABLE III - Input typ	TO DTD m/ 0.5/ 1.5/	Selection	<u>.</u>	*
KET NUMBER - UDC3		Selection	. Avai	ability		TC, RTD, mV, 0-5V, 1-5V TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA	2		
Digital Controller for use	with 90 to 264Vac Power + Current Output #1	DC3500		ability	Input 1	TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA -1-1V, 0-10V	2		
Digital Controller for use	with 30 to 204 vac Fower + Current Output #1	DC3501		1	input i	Relative Humidity (Requires Input 2)	15		
						Carbon, Oxygen or Dewpoint (Requires Input 2)	16	•	•
TABLE I - Specify opti	onal Output and/or Alarms		-	1	-	None	_0_	٠	٠
		°_	•	•	Input 2	TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA	_1_	•	•
	Current Output (4 to 20mA, 0 to 20 mA) (Current Output #3)		•	•	input 2	TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA, -1-1V, 0-10V	_2_	•	•
Output #2	Electro Mechanical Relay (5 Amp Form C)	E_				Two HLAI instead of 1 LLAI	_ 3 _	•	•
	Solid State 1 Amp (Zero-Crossing Type)	A				None	0	•	•
	Open Collector transistor output	<u>'</u> _	•	-		TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA	1	•	•
	Dual 2 Amp Relays (Form A) (Heat/Cool, Pos Prop, TPSC, Relays 1 & 2)		•	•	Input 3	TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA, -1-1V, 0-10V	2	•	•
Relay Outputs #3, #4	None	-0				Two HLAI instead of 1 LLAI	3	•	•
anu #5	Three (3) E-M Relay (5 Amp Form C)	E	•	•		Slidewire Input for Position Prop. (Requires Dual Relay Output)	4	а	а
TABLE II - Communica	ations and Software Selections				TABLE IV - Options				
TABLE II - Communica	ations and Software Selections None	0	•	•	TABLE IV - Options	CE (Standard)	0	•	•
TABLE II - Communicat	ations and Software Selections None Current Output #2 + (4) Digital Inputs	0 1	•	•	TABLE IV - Options Approvals	CE (Standard) CE, UL and CSA	0 1	•	•
TABLE II - Communications	ations and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485	0 1 2	•	•	TABLE IV - Options Approvals Tags	CE (Standard) CE, UL and CSA None	0 1 _0	•	•
Communications	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethernet (Modbus RTU) + (4) Digital Inputs	0 1 2 3	•	•	Approvals           Tags	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line	0 1 _0 _T	• • •	•
Communications	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethemet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accuture	0 1 2 3	•	•	TABLE IV - Options Approvals Tags Special Options	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None	0 1 _0 0	• • • •	• • • •
TABLE II - Communications	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethermet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option	0 1 2 3 0 A	•	•	TABLE IV - Options           Approvals           Tags           Special Options	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1)	0 1 0 0 0	• • • • •	• • •
TABLE II - Communications	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethernet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments)	0 1 2 3 A B	• • • •	••••	TABLE IV - Options           Approvals           Tags           Special Options           Future Options	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None	0 1 _0 0 0 1 0	• • • • • • • •	• • • •
TABLE II - Communications	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethemet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math	0 1 2 3      	• • • •	••••	TABLE IV - Options           Approvals           Tags           Special Options           Future Options	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None None	0 1 0 0 1 0 0 0	• • • • • • •	• • • • •
Communications           Software Selections	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethernet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch	0 1 2 3 0 A B C D	• • • • •	•	TABLE IV - Options       Approvals       Tags       Special Options       Future Options	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None None anuals	0 1 0 0 0 1 0 0	• • • • • • •	• • • • •
Communications           Software Selections	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethermet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes ACU) + (4) Digital Inputs Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch	0 1 2 3      	• • • • • •	•••••••••••••••••••••••••••••••••••••••	TABLE IV - Options       Approvals       Tags       Special Options       Future Options	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None None Product Information on CD - (English)		• • • • • • •	• • • •
Communications           Software Selections	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethemet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch Math + HealthWatch	0 1 2 3 _A _A _B _D _E _F	• • • • • • • • •	•	TABLE IV - Options       Approvals       Tags       Special Options       Future Options	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None None anuals Product Information on CD - (English) English Manual (Hard Coav)	0 0    	•••••••	• • • • •
Communications           Software Selections	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethernet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch SPP + Math + HealthWatch	0 1 2 3 _A _B _C _C _C _E _F _G	• • • • • • • • • • • •	•	TABLE IV - Options       Approvals       Tags       Special Options       Future Options       TABLE V - Product Mage	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None Anne Anne Annals Product Information on CD - (English) English Manual (Hard Copy) French Manual (Hard Copy)	0  _	•••••	• • • • •
TABLE II - Communications           Communications           Software Selections	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethernet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch SPP + HealthWatch Enhanced SPP (4 Programs, 20 Segments Each)	0	· · · · ·	•••••	TABLE IV - Options       Approvals       Tags       Special Options       Future Options         TABLE V - Product Manuals	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None Anuals Product Information on CD - (English) English Manual (Hard Copy) French Manual (Hard Copy) German Manual (Hard Copy)	0 _0      0 E G	•••••••	• • • • •
TABLE II - Communications           Communications           Software Selections	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethemet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch Enhanced SPP (4 Programs, 20 Segments Each) Enhanced SPP + Math	0 1 2 2		•••••	TABLE IV - Options       Approvals       Tags       Special Options       Future Options         TABLE V - Product M.       Manuals	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None None anuals Product Information on CD - (English) English Manual (Hard Copy) French Manual (Hard Copy) German Manual (Hard Copy) Italian Manual (Hard Copy)	0 _0 _T 0 1 0	• • • • • •	• • • • •
Software Selections           Enhanced	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch SPP + HealthWatch Enhanced SPP (4 Programs, 20 Segments Each) Enhanced SPP + Math Enhanced SPP + HealthWatch	0 1 2 3     		••••	TABLE IV - Options       Approvals       Tags       Special Options       Future Options       TABLE V - Product M       Manuals	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None None anuals Product Information on CD - (English) English Manual (Hard Copy) German Manual (Hard Copy) German Manual (Hard Copy) Spanish Manual (Hard Copy)	0 1      	• • • • • • • • • • • • • • • • • • • •	• • • • •
Software Selections           Enhanced	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethernet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch Enhanced SPP + Math Enhanced SPP + Math Enhanced SPP + Math HealthWatch Enhanced SPP + Math HealthWatch Enhanced SPP + Math HealthWatch	0 1 2     		•••••••••••••••••••••••••••••••••••••••	TABLE IV - Options       Approvals       Tags       Special Options       Future Options       TABLE V - Product M       Manuals       Certificate	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None Annee Annais Product Information on CD - (English) English Manual (Hard Copy) German Manual (Hard Copy) German Manual (Hard Copy) Italian Manual (Hard Copy) Spanish Manual (Hard Copy) None Custom Componence (E3391)	0	· · · · · · · · · · · · · · · · · · ·	• • • • •
TABLE II - Communications         Communications         Software Selections         Enhanced	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethemet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealtiWatch SPP + HealtiWatch Enhanced SPP + Math Enhanced SPP + Math Enhanced SPP + HealthWatch Enhanced SPP + Math	0 1 2 3 _ 0 _ A _ B _ C _ B _ C _ E _ F _ G _ J _ K _ L	· · · · · · · · · · · · · · · · · · ·	••••••	TABLE IV - Options         Approvals         Tags         Special Options         Future Options         TABLE V - Product M         Manuals         Certificate	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None Anuals Product Information on CD - (English) English Manual (Hard Copy) French Manual (Hard Copy) German Manual (Hard Copy) Italian Manual (Hard Copy) Italian Manual (Hard Copy) Italian Manual (Hard Copy) None Certificate of Conformance (F3391)	0 _0      	• • •	• • • • • • •
Software Selections           Enhanced           Loops of Control	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethemet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch Enhanced SPP 4 Math = HealthWatch Enhanced SPP + HealthWatch Enhanced SPP + Math = HealthWatch Single Loop 2 Loops + Internal Cascade	0 1 2 3 - A - B - C - B - C - F - F - G - F - J _ K _ L		•••••••••••••••••••••••••••••••••••••••	TABLE IV - Options         Approvals         Tags         Special Options         Future Options         TABLE V - Product M         Manuals         Certificate         TABLE VI	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None anuals Product Information on CD - (English) English Manual (Hard Copy) German Manual (Hard Copy) German Manual (Hard Copy) Italian Manual (Hard Copy) Spanish Manual (Hard Copy) Spanish Manual (Hard Copy) Spanish Manual (Hard Copy) Spanish Manual (Hard Copy) Certificate of Conformance (F3391)	0 1      	• • • • •	• • • • •
TABLE II - Communications         Communications         Software Selections         Enhanced         Loops of Control         Page Time Cleptic	tions and Software Selections None Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs Current Output #2 + (4) Digital Inputs + Modbus RS-485 10 Base-T Ethernet (Modbus RTU) + (4) Digital Inputs Standard Functions, Includes Accutune Math Option Set Point Programming (1 Program, 20 Segments) Set Point Programming Plus Math HealthWatch SPP + HealthWatch SPP + HealthWatch Enhanced SPP (4 Programs, 20 Segments Each) Enhanced SPP + HealthWatch Enhanced SPP + HealthWatch Single Loop 2 Loops + Internal Cascade None	0 1 2 3 - A - B - B - D - E - F - G - H J - J - L - 0 - 2 - 0 - 0		· · · · · · · · ·	TABLE IV - Options         Approvals         Tags         Special Options         Future Options         TABLE V - Product M         Manuals         Certificate         TABLE VI	CE (Standard) CE, UL and CSA None Stainless Steel Customer ID Tag - 3 lines w/22 characters/line None Custom Calibration (0.05%) For one Range Type Only (Note 1) None None anuals Product Information on CD - (English) English Manual (Hard Copy) German Manual (Hard Copy) German Manual (Hard Copy) Spanish Manual (Hard Copy) Spanish Manual (Hard Copy) None Certificate of Conformance (F3391)	0   _	· · · · · · · · · · · · · · · · · · ·	• • • • • •



Step	o 4. Configuration	Procedure	
Step	Operation	Press	Result
1	Enter Set Up Mode	Setup	Upper Display = SETUP Lower Display = TUNING (This is the first Set Up Group title)
2	Select any Set Up Group	Setup	Sequentially displays the other Set Up group titles shown in the prompt hierarchy. See User Manual. You can also use the for the set Up groups in both directions. Stop at the Set Up group title that describes the group of parameters you want to configure. Then proceed to the next step.
3	Select a Function Parameter	Func Loop 1/2	Upper Display = the current value or selection for the first function prompt of the selected Set Up group. Lower Display = the first Function prompt within that Set Up group. Sequentially displays the other function prompts of the Set Up group you have selected. Stop at the function prompt that you want to change, then proceed to the next step.
4	Change the Value or Selection	∕or ✓	Increments or decrements the value or selection that appears for the selected function prompt. If you change the value or selection of a parameter while in Set Up mode but then decide not to enter it, press the MAN/AUTO key once. This will recall the original configuration. This "recall" procedure does not work for a Field Calibration process. Field Calibration is a one-way operation.
5	Enter the Value or Selection	Func Loop 1/2	Enters value or selection made into memory after another key is pressed.
6	Exit Configuration	Lower Display	Exits configuration mode and returns controller to the same state it was in immediately preceding entry into the Set Up mode. It stores any changes you have made. If you do not press any keys for 30 seconds, the controller times out and reverts to the mode and associated display used prior to entry into Set Up mode.

## Step 5. 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.

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 #1 record shee	t – See User Manual
PROGRAM2	PROGRAM 2		
		Eor SP Program #2 record shee	t – See User Manual
DBOCBAM2	DBOCBAM 2		
FROGRAMS	FROGRAM 5	Ear SP Program #3 record shee	DISABLE at See User Manual
		T OF SF FTOGRAFT#STECOLU SHEE	
PROGRAM4	PRUGRAM 4	For CD Program #4 manual share	UISABLE
		FOR SP Program #4 record shee	
ACCUTUNE	FUZZY		DISABLE
	ACCUTUNE		DISABLE
	DUPLEX		MANUAL
	L SP CHANGE		10

Group Prompt	Function Prompt	Value or Selection	Factory Setting
	KPG		1.00
	CRITERIA		FAST
			DISABLE
	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	<u> </u>	0
			0
	X7 VALUE		0
	X8 VALUE		0
	Y1 VALUE		0
	Y2 VALUE		0
	Y3 VALUE		0
			0
	Y6 VALUE		0
	Y7 VALUE		0
	Y8 VALUE		0
	8 SEG CH2		DISABLE
			0
	X11 VALUE		0
	X12 VALUE		0
	X13 VALUE		0
	X14 VALUE		0
	X15 VALUE		0
			0
			0
	Y10 VALUE		0
	Y11 VALUE		0
	Y12 VALUE		0

Group Prompt	Function Prompt	Value or Selection	Factory Setting
	Y13 VALUE		0
	Y14 VALUE		0
	Y15 VALUE		0
	Y16 VALUE		0
			DISABLE
	TOT SCALE		F0
	TOT SCR		UNLOCK
	Σ RESET?		NO
	TOT RATE		SECOND
	POLYNOM		DISABLE
	C0 VALUE		0
	C1 VALUE		0
	C2 X 10 <sup>-1</sup>		0
	C2 X 10 <sup>-5</sup>		0
	$C2 \times 10^{-7}$		0
1.0010			
LUGIC			
	GATETINA		CONST K
	GATE1 K		0
	GATETINB		FIXED OFE
	GATE1OUT		ANY GATE
	GATE2TYP		NOT USED
	GATE2INA		CONST K
	GATE2 K		0
	GATE2INB		FIXED OFF
	GATE2OUT		ANY GATE
	GATESIYP		NOTUSED
	GATESINA		
	GATESINB		
	GATESOUT		
	GATE4TYP		NOT USED
	GATE4INA		CONST K
	GATE4 K		0
	GATE4INB		FIXED OFF
	GATE4OUT		ANY GATE
	GATE5TYP		NOT USED
	GATESINA		
	GATESOUT		
	GATESOUT		
OUIPUI			
	C1 RANGE		4-20mA
	RLYSTATE		10F20N
	RLY TYPE		MECHAN
	MOTOR TI		5
	OUT2 ALG		CURRENT
	OUT2 RNG		100PCT
	C3 RANGE		4-20mA
	RLYSIAI2		10F20N
			DISABLE
			100.0
			0.40mm)/
INPUT 1			
	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
			0
			0
	BURNOUT2		NONE
	EMISSIV2		0.00

Group Prompt	Function Prompt	Value or Selection	Factory Setting
INPUT 3	IN3 TYPE		0-10mV
	XMITTER3		LINEAR
	IN3 HIGH		1000
	IN3 LOW		0
	RATIO 3 BIAS IN3		0
	FILTER 3		0
	BURNOUT3		NONE
	EMISSIV3		0.00
INPUT 4	IN4 TYPE		0-10mV
	XMITTER4		LINEAR
	IN4 HIGH		1000
			0
	BIAS IN4		0
	FILTER 4		0
	BURNOUT4		NONE
INPUT 5	IN5 TYPE		0-10mV
	XMITTER5		LINEAR
	IN5 HIGH		1000
	IN5 LOW		0
	RATIO 5 BIAS INS		0
	FILTER 5		0
	BURNOUT5		NONE
CONTROL	PV SOURC		INPUT 1
	PID SETS		1 ONLY
	SW VAL12		0
	SW VAL23		0
	SW VAL34		
	RSP SRC		
	AUTOBIAS		DISABLE
	SP TRACK		NONE
	PWR MODE		MANUAL
	PWR OUT		LAST
	SP HiLIM		1000
	OUT BATE		DISABLE
	PCT/M UP		0
	PCT/M DN		0
	OUTHILIM		100
	OUTLOLIM		0.0
			100
	DROPOFE		0
	DEADBAND		1.0
	OUT HYST		0.5
	FAILMODE		NO LATCH
	FAILSAFE		0.0
			0
			0
	PBorGAIN		GAIN
	MINorRPM		MIN
CONTROL2	PV 2SRC		INPUT 2
	LINK LPS		DISABLE
	PID SETS		1 ONLY
	SW VAL 12		0
	SW VAL23 SW VAL34		0
	I SP'S		
	RSP SRC		NONE
	AUTOBIAS		DISABLE
	SP TRACK		NONE
	PWRMODE		MANUAL
	SP HILIM		1000
	OUT RATE		DISABLE
	PCT/M UP		0
	PCT/M DN		0
	OUTHILIM		100
	OUTLoLIM		0

Group Prompt	Function Prompt	Value or Selection	Factory Setting
	I Hi LIM		100.0
	I Lo LIM		0.0
	DROPOFF		0
	DEADBAND		1.0
	FAILMODE		NOLAICH
	FAILSAFE		0
OPTIONS	CUR OUT2		DISABLE
	C2RANGE		4-20mA
			0
	C3RANGE		d-20Ma
			0
			100
	DIG1 INP		NONE
	DIG1 COMB		DISABLE
	DIG INP2		NONE
	DIG2 COMB		DISABLE
	DIG INP3		NONE
	DIG INP4		NONE
	Dion LP2		NONE
СОМ	Com ADDR		3
	ComSTATE		DISABLE
	IR ENABLE		DISABLE
	BAUD		19200
	TX DELAY		1
	WSFLOAT		FP B
	SHEDENAB		DISABLE
	SHEDTIME		0
	SHEDMODE		LASI
	SHEDSP		TOLSP
			PERCENT
			1.0
			0
	CSP2RATO		0
			DISABLE
			NONE
ALARINS			90
	A1S1 HI		HIGH
	A1S1 EV		
	A1S2 TYPE		NONE
	A1S2 VAL		10
	A1S2 H L		LOW
	A1S2 EV		
	ALHYST1		0.1
	A2S1TYPE		NONE
	A2S1 VAL		95
	A2S1HL	ļ	HIGH
	A2S1 EV	l	
	A2S2TYPE		NONE
	AZSZ VAL		5
			LOW
	AZ52 EV		
			NONE
	A391 VAL		05
	A3S1 H1		55 HIGH
	A3S1 EV		
	A3S2TYPE		NONE
	A3S2 VAL		5
	A3S2 H L		LOW
	A3S2 EV		
	ALHYST3		0.1
	A4S1TYPE		NONE
	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		NOLATCH
1	I BLOCK		DISABLE

Group Prompt	Function Prompt	Value or Selection	Factory Setting
	DIAGNOST		DISABLE
	ALRM MSG		DISABLE
CLOCK	HOURS		SET TO FACTORY TIME
	MINUTES		
	SECONDS		ee ee ee
	YEAR		66 66 66 66
	MONTH		ec ec ec ec
	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		NONE
	DECIMAL2		NONE
	TEMPUNIT		NONE
	PWR FREQ		60 HZ
	RATIO 2		DISABLE
	LANGUAGE		ENGLISH
	TC DIAGN		ENABLE
	IDNUMBER		0
TIME	EVENT 1		NONE
EVENIS	TIME 1		
	HOUR 1		
	MINUTE 1		
	MONIH 1		
	DAY 1		
	EVENT 2		NONE
	HOUR 2		
	MINUTEZ		
	DATZ	1	
EIHERNET	MAC Address		(case label on instrument)
	IP Address		10.0.0.2
(Accessible	Subnet Mask		255.255.255.0
	Default Gateway		0.0.0.0
1001)	SMTP Address (for Outgoing)		0.0.0.0
	To Email 1		
	From Email 1		
	To Email 2	1	
	From Email 2	1	

## Step 6. Start Up Procedure for Operation

Step	Operation	Press	Result
1	Select Manual Mode	Man Auto	Until "M" indicator is ON. The controller is in manual mode.
2	Adjust the Output	<b>∧</b> or <b>∨</b>	To adjust the output value and ensure that the final control element is functioning correctly. Upper Display = PV Value Lower Display = OUT and the output value in %
3	Enter the Local Setpoint	Lower Display	Upper Display = PV Value Lower Display = SP and the Local Setpoint Value
		<b>∧</b> or ▼	To adjust the local setpoint to the value at which you want the process variable maintained.
			The local selpoint cannot be changed if the Selpoint Ramp function is furning.
4	Select Automatic Mode	Man	Until "A" indicator is ON. The controller is in Automatic mode.
		Auto	The controller will automatically adjust the output to maintain the process variable at setpoint.
5	Tune the Controller		Make sure the controller has been configured properly and all the values and selections have been recorded on the Configuration Record Sheet.
			Refer to Tuning Set Up group to ensure that the selections for Pb or GAIN, RATE T, and I MIN, or I RPM have been entered.
			Use Accutune to tune the controller; see the procedure in the User Manual.