PAX2C Ver 1.5 Modbus Register Table

REVISED 2015-07-20

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
	FREQUENTLY USED REGISTERS					
40001	Process Value	N/A	N/A	N/A	Read	1 = 1 Display Unit
40002	Maximum Value	-1999	9999	N/A	Read	1 = 1 Display Unit
40003	Minimum Value	-1999	9999	N/A	Read	1 = 1 Display Unit
40004	Active Setpoint Value	SPLO	SPHI	0	Read/Write	1 = 1 Display Unit; Limited by setpoint low/high limits
40005	Setpoint 1 Value	SPLO	SPHI	0	Read/Write	1 = 1 Display Unit; Limited by setpoint low/high limits
40006	Setpoint 2 Value	SPLO	SPHI	0	Read/Write	1 = 1 Display Unit; Limited by setpoint low/high limits
40007	Setpoint Deviation	N/A	N/A	N/A	Read Only	1 = 1 Display Unit
40008	Output Power	-1000	1000	N/A	Read/Write	Output Power: Heat/Cool; * writable only in manual mode; 1 = 0.1%
40009	Active Proportional Band	0	9999	700	Read/Write	1 = 1 Display Unit
40010	Active Integral Time	0	65000	120	Read/Write	1 = 0.1 Second
40011	Active Derivative Time	0	9999	30	Read/Write	1 = 0.1 Second
40012	Active Power Filter	0	600	10	Read/Write	1 = 0.1 Second
40013	Auto-Tune Code	0	4	2	Read/Write	0 = Very Aggressive, 1 = Aggressive, 2 = Default, 3 = Conservative, 4 = Very Conservative
40014	Auto-Tune Request	0	1	0	Read/Write	0 = Off, 1 = Invoke Auto-Tune
40015	Auto-Tune Phase	0	4	0	Read	0 = Off, 4 = Last Phase of Auto-Tune
40016	Auto-Tune Done	0	1	0	Read	1 = Successful Auto-Tune since last power cycle.
40017	Auto-Tune Fail	0	1	0	Read	0 = Off, 1 = Auto-Tune failed
40018	Control Mode	0	1	0	Read/Write	0 = Automatic, 1 = Manual Mode
40019	Setpoint Selection	0	1	0	Read/Write	0 = Setpoint 1, 1 = Setpoint 2
40020	Remote/Local Setpoint Selection	0	1	0	Read/Write	0 = Local, 1 = Remote
40021	PID Parameter Selection	0	1	0	Read/Write	0 = Primary PID Values, 1 = Alternate PID Values
40022	Disable Integral Action	0	1	0	Read/Write	0 = Enabled, 1 = Disabled
40023	Disable Setpoint Ramping	0	1	0	Read/Write	0 = Enabled, 1 = Disabled
40024	Setpoint Ramping In Process	0	1	0	Read/Write	0 = Off, 1 = In Process
40025	Setpoint Ramp Rate Value	-1999	9999	0	Read/Write	1 = 0.1 Setpoint Ramping @ Timebase unit selection
40026	Alarm (1-16) Status Register	0	65535	0	Read	Bit 15 = A16, Bit 0 = A1
40027	Input Range Alarm	0	1	0	Read	0 = Off, 1 = Alarm active
40028	User Input Status	0	2	0	Read	Bit 1 = User Input 2, Bit 0 = User Input 1
40029	Output Status	0	15	N/A	Read/Write	Status of Outputs. Bit State: 0 = Off, 1 = On. Bit 3 = Out1, Bit 2 = Out2, Bit 1 = Out3, Bit 0 = Out4. Outputs can only be activated/reset with this register when the respective bits in the Manual Mode Register (MMR) are set.
40030	Output Manual Mode Register (MMR)	0	31	0	Read/Write	Bit State: 0 = Auto Mode, 1 = Manual Mode Bit 4 = SP1, Bit 3 = SP2, Bit 2 = SP3, Bit 1 = SP4, Bit 0 = Linear Output
40031	Alarm Reset Register	0	65535	0	Read/Write	Bit State: 1= Reset Alarm, bit is returned to zero following reset processing; Bit 15 = A16, Bit 0 = A1
40032	Analog Output Register (AOR)	0	4095	0	Read/Write	Functional only if Linear Output is in Manual Mode.(MMR bit 0 = 1) Linear Output Card written to only if Linear Out (MMR bit 0) is set.
40033	Active Alarm 1 Value	-1999	9999	0	Read/Write	Active List (A or B)
40034	Active Alarm 2 Value	-1999	9999	0	Read/Write	Active List (A or B)
40035	Active Alarm 3 Value	-1999	9999	0	Read/Write	Active List (A or B)
40036	Active Alarm 4 Value	-1999	9999	0	Read/Write	Active List (A or B)
40037	Active Alarm 5 Value	-1999	9999	0	Read/Write	Active List (A or B)
40038	Active Alarm 6 Value	-1999	9999	0	Read/Write	Active List (A or B)
40039	Active Alarm 7 Value	-1999	9999	0	Read/Write	Active List (A or B)
40040	Active Alarm 8 Value	-1999	9999	0	Read/Write	Active List (A or B)

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40041	Active Alarm 9 Value	-1999	9999	0	Read/Write	Active List (A or B)
40042	Active Alarm 10 Value	-1999	9999	0	Read/Write	Active List (A or B)
40043	Active Alarm 11 Value	-1999	9999	0	Read/Write	Active List (A or B)
40044	Active Alarm 12 Value	-1999	9999	0	Read/Write	Active List (A or B)
40045	Active Alarm 13 Value	-1999	9999	0	Read/Write	Active List (A or B)
40046	Active Alarm 14 Value	-1999	9999	0	Read/Write	Active List (A or B)
40047	Active Alarm 15 Value	-1999	9999	0	Read/Write	Active List (A or B)
40048	Active Alarm 16 Value	-1999	9999	0	Read/Write	Active List (A or B)
40049	Active Alarm 1 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40050	Active Alarm 2 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40051	Active Alarm 3 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40052	Active Alarm 4 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40053	Active Alarm 5 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40054	Active Alarm 6 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40055	Active Alarm 7 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40056	Active Alarm 8 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40057	Active Alarm 9 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40058	Active Alarm 10 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40059	Active Alarm 11 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40060	Active Alarm 12 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40061	Active Alarm 13 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40062	Active Alarm 14 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40063	Active Alarm 15 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40064	Active Alarm 16 Band/Dev. Value	-1999	9999	0	Read/Write	Active List (A or B). Applicable only for Band or Deviation Alarm Action.
40065	Remote SP Value	-1999	9999	0	Read Only	
	INPUT PARAMETERS					**SEE INPUT MODULE FOR PARAMETER DESCRIPTIONS**
	Analog Input Parameters					
40101	Input Range	0	26	16	Read/Write	0 = 250µA 5 = 250mV 11 = 100Ω 17 = TC-K 23 = RTD 385 1 = 2.5mA 6 = 2V 12 = 1KΩ 18 = TC-R 24 = RTD 392 2 = 25mA 7 = 10V 13 = 10KΩ 19 = TC-S 25 = RTD 672 3 = 250mA 8 = 25V 14 = TC-T 20 = TC-B 26 = RTD 427 4 = 2A 9 = 100V 15 = TC-E 21 = TC-N 10 = 200V 16 = TC-J 22 = TC-C
40102	Square Root Linearization	0	1	0	Read/Write	0 = No, 1 = Yes (Valid on Process Inputs)
40103	Temperature Scale (TC or RTD only)	0	1	1	Read/Write	0 = °C, 1 = °F
40104	Ice Point Compensation (TC only)	0	1	1	Read/Write	0 = Off, 1 = On
40105	ADC Conversion Rate (samples/sec)	0	5	2	Read/Write	0 = 5, 1 = 10, 2 = 20, 3 = 40, 4 = 80, 5 = 160
40106	Decimal Point	0	3	1	Read/Write	0 = 0, 1 = 0.0, 2 = 0.00, 3 = 0.000
40107	Rounding Factor	0	6	0	Read/Write	0 = 1, 1 = 2, 2 = 5, 3 = 10, 4 = 20, 5 = 50, 6 = 100
40108	Input Offset Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
40109	Digital Input Filter	0	250	10	Read/Write	1 = 0.1 Second
40110	Input Scaling Points in List Function	0	1	0	Read/Write	0 = No, 1 = Yes
	User Input / Function Keys					
40151	User Input Active State	0	1	0	Read/Write	0 = Active Low, 1 = Active High
40152	User Input 1 Action	0	17*	0	Read/Write	0 = NONE 4 = SPSL 8 = d-HI 12 = r-HL 16 = LISt 1 = PLOC 5 = rSPt 9 = r-HI 13 = r-AL 17 = Prnt 2 = ILOC 6 = PSEL 10 = d-Lo 14 = dLEV 18 = FlexCard 3 = TrnF 7 = SPrP 11 = r-Lo 15 = dISP Functions
40153	User Input 1 Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16

REGISTER ADDRESS		REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40154		User Input 2 Action	0	17*	0	Read/Write	Same as User Input 1 Action
40155		User Input 2 Alarm Mask	0	65535	0	Read/Write	Same as User Input 1 Alarm Mask
40156		User F1 Key Action	0	14*	0	Read/Write	0 = NONE 4 = rSPt 8 = r-Lo 12 = dISP 1 = ILOC 5 = PSEL 9 = r-HL 13 = LISt 2 = TrnF 6 = SPrP 10 = r-AL 14 = Prnt 3 = SPSL 7 = r-HI 11 = dLEV 15 = FlexCard Functions
40157		User F1 Key Alarm Mask	0	65535	0	Read/Write	Same as User Input 1 Alarm Mask
40158		User F2 Key Action	0	14*	0	Read/Write	Same as User F1 Key Action
40159		User F2 Key Alarm Mask	0	65535	0	Read/Write	Same as User Input 1 Alarm Mask
40160		User F1 Second Action	0	14*	0	Read/Write	Same as User F1 Key Action
40161		User F1 Second Alarm Mask	0	65535	0	Read/Write	Same as User Input 1 Alarm Mask
40162		User F2 Second Action	0	14*	0	Read/Write	Same as User F1 Key Action
40163		User F2 Second Alarm Mask	0	65535	0	Read/Write	Same as User Input 1 Alarm Mask
		Advanced Input Parameters					
List A	**List B**	**Input Scaling Points Parameters**					
40171	40211	Number of Scaling Points	2	16	2	Read/Write	Number of Linearization Scaling Points
40172	40212	Reserved	N/A	N/A	N/A	N/A	
40173	40213	Scaling Pt.1 Input Value	-1999	9999	0	Read/Write	1 = 0.001
40174	40214	Scaling Pt.1 Display Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
40175 thru 40202	40215 thru 40242	Scaling Pts. 2 thru 15 Values	-1999	9999	0	Read/Write	Registers 40175-40202 and 40215-40242 hold values for Scaling Points 2 thru 15, and follow the same ordering as Scaling Point 1.
40203	40243	Scaling Pt.16 Input Value	-1999	9999	0	Read/Write	1 = 0.001
40204	40244	Scaling Pt.16 Display Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
		OUTPUT PARAMETERS					
40251		Output 1 Assignment	0	11*	1	Read/Write	0 = NONE 4 = P2C MAN 8 = ILOC 12 = FlexCard 1 = P2C Heat 5 = SPSL 9 = tUNE Assignments 2 = P2C Cool 6 = SPrP 10 = tndn 3 = ALr 7 = RSP Transfer 11 = tnFL
40252		Output 1 Logic/Alarm Logic Mode	0	2	0	Read/Write	If Out Assignment ≠ ALr; 0 = NOR, 1 = REV If Output Assignment = ALr; 0 = SINGLE, 1 = AND, 2 = OR
40253		Output 1 Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
40254		Output 1 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
40255		Output 2 Assignment	0	11*	0	Read/Write	Same as Output 1 Assignment
40256		Output 2 Logic/Alarm Logic Mode	0	2	0	Read/Write	Same as Output 1 Logic/Alarm Logic Mode
40257		Output 2 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
40258		Output 2 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
40259		Output 3 Assignment	0	11*	0	Read/Write	Same as Output 1 Assignment
40260		Output 3 Logic/Alarm Logic Mode	0	2	0	Read/Write	Same as Output 1 Logic/Alarm Logic Mode
40261		Output 3 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
40262		Output 3 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
40263		Output 4 Assignment	0	11*	0	Read/Write	Same as Output 1 Assignment
40264		Output 4 Logic/Alarm Logic Mode	0	2	0	Read/Write	Same as Output 1 Logic/Alarm Logic Mode
40265		Output 4 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
40266		Output 4 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
		Analog Output					
40271		Non-Linear Analog Output Scaling	0	1	0	Read/Write	0 = No, 1 = Yes (Use Non-Linear Analog Output Scaling Parameters)
40272		Type	0	2	1	Read/Write	0 = 0-20 mA, 1 = 4-20 mA, 2 = 0-10 V

REGISTER ADDRESS		REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40273		Assignment	0	6*	0	Read/Write	0 = NONE, 1 = PV, 2 = Hi, 3 = Lo, 4 = Output Power, 5 = Active Setpoint, 6 = Deviation, 7+ = FlexCard Assignments
40274		Analog Low Scale Value	-1999	9999	0	Read/Write	Display value that corresponds with 0 V, 0 mA or 4 mA output
40275		Analog High Scale Value	-1999	9999	1000	Read/Write	Display value that corresponds with 10 V or 20 mA output
40276		Update time	0	100	0	Read/Write	0 = Max update rate, 1 = 0.1 Second
40277		Probe Failure Action (TC or RTD only)	0	1	0	Read/Write	0 = Low Scale, 1 = High Scale (only applies for TC or RTD input)
		Non-Linear Analog Output Scaling					
List A	**List B**	**Analog Output Scaling Point Parameters**					
41721	41761	Number of Scaling Points	2	16	2	Read/Write	Number of Linearization Scaling Points
41722	41762	Reserved	N/A	N/A	N/A	N/A	
41723	41763	Output Value for Scaling Point 1	0	2000	0	Read/Write	1 = 0.01
41724	41764	Parameter Value for Scaling Point 1	-1999	9999	0	Read/Write	1 = 1 Analog Output Assignment value unit
41725 to 141754	41765 to 141794	Scaling Pts. 2 thru 16 Values					Registers 41725-41754 and 41765-41794 hold values for Scaling Points 2 thru 16, and follow the same ordering as Scaling Point 1.
		DISPLAY CONFIGURATION PARAMETERS					
		General					
40281		Display Intensity Level	0	4	4	Read/Write	0 = Min.(off), 4 = Max.
40282		Display Contrast Level	0	15	7	Read/Write	
40283		Display Update (readings per second)	0	4	1	Read/Write	0 = 1, 1 = 2, 2 = 5, 3 = 10, 4 = 20
40284		Configuration Mode	0	1	1	Read/Write	0 = Advanced, 1 = Basic (Caution: Affects other parameters, see manual)
		Line 1					
40291		Line 1 Display Assignment	0	3*	1	Read/Write	0 = NO, 1 = PV, 2 = HI, 3 = LO, 4+ = FlexCard Assignments
40292		Line 1 Default Display Color	0	2	2	Read/Write	0 = Grn, 1 = OrNG, 2 = rEd
40293		Line 1 Units Mnemonic	0	1	1	Read/Write	0 = Off, 1 = On
40294		Line 1 Units Digit 1 (Left)	0	57	0	Read/Write	0 = 9 = I 18 = Q 27 = Z 36 = 8 45 = m(r) 54 =] 1 = A 10 = J 19 = R 28 = 0 37 = 9 46 = o 55 = / 2 = b 11 = K 20 = S 29 = 1 38 = a 47 = q 56 = º 3 = C 12 = L 21 = t 30 = 2 39 = c 48 = r 57 = _ 4 = d 13 = M(l) 22 = U 31 = 3 40 = e 49 = u 5 = E 14 = M(r) 23 = V 32 = 4 41 = g 50 = w(r) 6 = F 15 = N 24 = W(l) 33 = 5 42 = h 51 = - 7 = G 16 = O 25 = W(r) 34 = 6 43 = i 52 = = 8 = H 17 = P 26 = Y 35 = 7 44 = n 53 = [
40295		Line 1 Units Digit 2 (Center)	0	57	56	Read/Write	
40296		Line 1 Units Digit 3 (Right)	0	57	6	Read/Write	
40297		Line 1 Bargraph Assignment	0	3*	1	Read/Write	0 = NONE, 1 = Output Power, 2 = Deviation, 3 = Setpoint, 4+ = FlexCard Assignments
40298		Line 1 Bargraph Low Scale Value	0	9999	0	Read/Write	
40299		Line 1 Bargraph High Scale Value	0	9999	1000	Read/Write	
40300		Line 1 Green Backlight Assignment	0	13*	0	Read/Write	0 = NO 3 = Out3 6 = MAN 9 = RSPt 12 = tndn 1 = Out1 4 = Out4 7 = SPSL 10 = ILOC 13 = tnFL 2 = Out2 5 = ALr 8 = SPrP 11 = tUNE 14+ = FlexCard
40301		Line 1 Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40302		Line 1 Green Backlight Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
40303		Line 1 Orange Backlight Assignment	0	13*	0	Read/Write	Same as Line 1 Green Backlight Assignment
40304		Line 1 Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40305		Line 1 Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
40306		Line 1 Red Backlight Assignment	0	13*	0	Read/Write	Same as Line 1 Green Backlight Assignment
40307		Line 1 Red Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40308		Line 1 Red Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40309	Line 1 Green-Orange Backlight Assignment	0	13*	0	Read/Write	Same as Line 1 Green Backlight Assignment
40310	Line 1 Green-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40311	Line 1 Green-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
40312	Line 1 Red-Orange Backlight Assignment	0	13*	0	Read/Write	Same as Line 1 Green Backlight Assignment
40313	Line 1 Red-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40314	Line 1 Red-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
40315	Line 1 Red-Green Backlight Assignment	0	13*	0	Read/Write	Same as Line 1 Green Backlight Assignment
40316	Line 1 Red-Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40317	Line 1 Red-Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
	Line 2					
40331	Line 2 Default Display Color	0	2	0	Read/Write	0 = Grn, 1 = OrNG, 2 = rEd
40332	Line 2 Units Mnemonic	0	1	0	Read/Write	0 = Off, 1 = On
40333	Line 2 Units Digit 1 (Left)	0	57	0	Read/Write	Same as Line 1 Units Selection
40334	Line 2 Units Digit 2 (Center)	0	57	0	Read/Write	
40335	Line 2 Units Digit 3 (Right)	0	57	0	Read/Write	
40336	Line 2 Bargraph Assignment	0	6*	2	Read/Write	0 = NONE, 1 = OP, 2 = dEV, 3 = SP, 4 = OP ANY, 5 = dEV ANY, 6 = SP ANY, 7+ = FlexCard Assignments
40337	Line 2 Bargraph Low Scale Value	0	9999	0	Read/Write	
40338	Line 2 Bargraph High Scale Value	0	9999	0	Read/Write	
40339	Line 2 Green Backlight Assignment	0	13*	0	Read/Write	0 = NO 3 = Out3 6 = MAN 9 = RSPt 12 = tndn 1 = Out1 4 = Out4 7 = SPSL 10 = ILOC 13 = tnFL 2 = Out2 5 = ALr 8 = SPrP 11 = tUNE 14+ = FlexCard
40340	Line 2 Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40341	Line 2 Green Backlight Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
40342	Line 2 Orange Backlight Assignment	0	13*	0	Read/Write	Same as Line 2 Green Backlight Assignment
40343	Line 2 Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40344	Line 2 Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 2 Green Backlight Alarm Mask
40345	Line 2 Red Backlight Assignment	0	13*	0	Read/Write	Same as Line 2 Green Backlight Assignment
40346	Line 2 Red Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40347	Line 2 Red Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 2 Green Backlight Alarm Mask
40348	Line 2 Green-Orange Backlight Assignment	0	13*	0	Read/Write	Same as Line 2 Green Backlight Assignment
40349	Line 2 Green-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40350	Line 2 Green-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 2 Green Backlight Alarm Mask
40351	Line 2 Red-Orange Backlight Assignment	0	13*	0	Read/Write	Same as Line 2 Green Backlight Assignment
40352	Line 2 Red-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40353	Line 2 Red-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 2 Green Backlight Alarm Mask
40354	Line 2 Red-Green Backlight Assignment	0	13*	0	Read/Write	Same as Line 2 Green Backlight Assignment
40355	Line 2 Red-Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40356	Line 2 Red-Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 2 Green Backlight Alarm Mask
	Universal Annunciator 1					
40361	UA 1 Default Display Color	0	2	0	Read/Write	0 = Grn, 1 = OrNG, 2 = rEd
40362	UA 1 Units Mnemonic	0	1	1	Read/Write	0 = Off, 1 = On

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40363	UA 1 Units Digit 1 (Left)	0	57	16	Read/Write	0 = 9 = I 18 = Q 27 = Z 36 = 8 45 = m(r) 54 =] 1 = A 10 = J 19 = R 28 = 0 37 = 9 46 = o 55 = / 2 = b 11 = K 20 = S 29 = 1 38 = a 47 = q 56 = ° 3 = C 12 = L 21 = t 30 = 2 39 = c 48 = r 57 = _ 4 = d 13 = M(l) 22 = U 31 = 3 40 = e 49 = u 5 = E 14 = M(r) 23 = V 32 = 4 41 = g 50 = w(r) 6 = F 15 = N 24 = W(l) 33 = 5 42 = h 51 = - 7 = G 16 = O 25 = W(r) 34 = 6 43 = i 52 = = 8 = H 17 = P 26 = Y 35 = 7 44 = n 53 = [
40364	UA 1 Units Digit 2 (Right)	0	57	29	Read/Write	
40365	UA 1 Units Logic Mode (Active)	0	2	0	Read/Write	0 = nor, 1 = rEv, 2 = FLSh
40366	UA 1 Units Assignment	0	13*	1	Read/Write	0 = NO 3 = Out3 6 = MAN 9 = RSPt 12 = tndn 1 = Out1 4 = Out4 7 = SPSL 10 = ILOC 13 = tnFL 2 = Out2 5 = ALr 8 = SPrP 11 = tUNE 14+ = FlexCard
40367	UA 1 Assignment Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40368	UA 1 Assignment Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
40368	UA 1 Green Backlight Assignment	0	13*	0	Read/Write	Same as UA 1 Units Assignment
40369	UA 1 Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40370	UA 1 Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 1 Assignment Alarm Mask
40371	UA 1 Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 1 Units Assignment
40372	UA 1 Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40373	UA 1 Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 1 Assignment Alarm Mask
40374	UA 1 Red Backlight Assignment	0	13*	0	Read/Write	Same as UA 1 Units Assignment
40375	UA 1 Red Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40376	UA 1 Red Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 1 Assignment Alarm Mask
40377	UA 1 Green-Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 1 Units Assignment
40378	UA 1 Green-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40379	UA 1 Green-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 1 Assignment Alarm Mask
40380	UA 1 Red-Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 1 Units Assignment
40381	UA 1 Red-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40382	UA 1 Red-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 1 Assignment Alarm Mask
40383	UA 1 Red-Green Backlight Assignment	0	13*	0	Read/Write	Same as UA 1 Units Assignment
40384	UA 1 Red-Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40385	UA 1 Red-Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 1 Assignment Alarm Mask
	Universal Annunciator 2					
40391	UA 2 Default Display Color	0	2	0	Read/Write	0 = Grn, 1 = OrNG, 2 = rEd
40392	UA 2 Units Mnemonic	0	1	1	Read/Write	0 = Off, 1 = On
40393	UA 2 Units Digit 1 (Left)	0	57	1	Read/Write	Same as UA1 Units Selection
40394	UA 2 Units Digit 2 (Right)	0	57	29	Read/Write	
40395	UA 2 Units Logic Mode (Active)	0	2	0	Read/Write	0 = nor, 1 = rEv, 2 = FLSh
40396	UA 2 Units Assignment	0	13*	5	Read/Write	0 = NO 3 = Out3 6 = MAN 9 = RSPt 12 = tndn 1 = Out1 4 = Out4 7 = SPSL 10 = ILOC 13 = tnFL 2 = Out2 5 = ALr 8 = SPrP 11 = tUNE 14+ = FlexCard
40397	UA 2 Assignment Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40398	UA 2 Assignment Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
40399	UA 2 Green Backlight Assignment	0	13*	0	Read/Write	Same as UA 2 Units Assignment
40400	UA 2 Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40401	UA 2 Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 2 Assignment Alarm Mask

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40402	UA 2 Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 2 Units Assignment
40403	UA 2 Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40404	UA 2 Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 2 Assignment Alarm Mask
40405	UA 2 Red Backlight Assignment	0	13*	0	Read/Write	Same as UA 2 Units Assignment
40406	UA 2 Red Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40407	UA 2 Red Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 2 Assignment Alarm Mask
40408	UA 2 Green-Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 2 Units Assignment
40409	UA 2 Green-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40410	UA 2 Green-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 2 Assignment Alarm Mask
40411	UA 2 Red-Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 2 Units Assignment
40412	UA 2 Red-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40413	UA 2 Red-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 2 Assignment Alarm Mask
40414	UA 2 Red-Green Backlight Assignment	0	13*	0	Read/Write	Same as UA 2 Units Assignment
40415	UA 2 Red-Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40416	UA 2 Red-Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 2 Assignment Alarm Mask
	Universal Annunciator 3					
40421	UA 3 Default Display Color	0	2	0	Read/Write	0 = Grn, 1 = OrNG, 2 = rEd
40422	UA 3 Units Mnemonic	0	1	1	Read/Write	0 = Off, 1 = On
40423	UA 3 Units Digit 1 (Left)	0	57	1	Read/Write	Same as UA1 Units Selection
40424	UA 3 Units Digit 2 (Right)	0	57	30	Read/Write	
40425	UA 3 Units Logic Mode (Active)	0	2	0	Read/Write	0 = nor, 1 = rEv, 2 = FLSh
40426	UA 3 Units Assignment	0	13*	5	Read/Write	0 = NO 3 = Out3 6 = MAN 9 = RSPt 12 = tndn 1 = Out1 4 = Out4 7 = SPSL 10 = ILOC 13 = tnFL 2 = Out2 5 = ALr 8 = SPrP 11 = tUNE 14+ = FlexCard
40427	UA 3 Assignment Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40428	UA 3 Assignment Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
40429	UA 3 Green Backlight Assignment	0	13*	0	Read/Write	Same as UA 3 Units Assignment
40430	UA 3 Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40431	UA 3 Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 3 Assignment Alarm Mask
40432	UA 3 Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 3 Units Assignment
40433	UA 3 Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40434	UA 3 Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 3 Assignment Alarm Mask
40435	UA 3 Red Backlight Assignment	0	13*	0	Read/Write	Same as UA 3 Units Assignment
40436	UA 3 Red Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40437	UA 3 Red Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 3 Assignment Alarm Mask
40438	UA 3 Green-Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 3 Units Assignment
40439	UA 3 Green-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40440	UA 3 Green-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 3 Assignment Alarm Mask
40441	UA 3 Red-Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 3 Units Assignment
40442	UA 3 Red-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40443	UA 3 Red-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 3 Assignment Alarm Mask
40444	UA 3 Red-Green Backlight Assignment	0	13*	0	Read/Write	Same as UA 3 Units Assignment
40445	UA 3 Red-Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40446	UA 3 Red-Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 3 Assignment Alarm Mask
	Universal Annunciator 4					
40451	UA 4 Default Display Color	0	2	0	Read/Write	0 = Grn, 1 = OrNG, 2 = rEd
40452	UA 4 Units Mnemonic	0	1	0	Read/Write	0 = Off, 1 = On
40453	UA 4 Units Digit 1 (Left)	0	57	0	Read/Write	Same as UA1 Units Selection
40454	UA 4 Units Digit 2 (Right)	0	57	0	Read/Write	

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40455	UA 4 Units Logic Mode (Active)	0	2	0	Read/Write	0 = nor, 1 = rEv, 2 = FLSh
40456	UA 4 Units Assignment	0	13*	0	Read/Write	0 = NO 3 = Out3 6 = MAN 9 = RSPt 12 = tndn 1 = Out1 4 = Out4 7 = SPSL 10 = ILOC 13 = tnFL 2 = Out2 5 = ALr 8 = SPrP 11 = tUNE 14+ = FlexCard
40457	UA 4 Assignment Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40458	UA 4 Assignment Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
40459	UA 4 Green Backlight Assignment	0	13*	0	Read/Write	Same as UA 4 Units Assignment
40460	UA 4 Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40461	UA 4 Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 4 Assignment Alarm Mask
40462	UA 4 Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 4 Units Assignment
40463	UA 4 Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40464	UA 4 Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 4 Assignment Alarm Mask
40465	UA 4 Red Backlight Assignment	0	13*	0	Read/Write	Same as UA 4 Units Assignment
40466	UA 4 Red Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40467	UA 4 Red Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 4 Assignment Alarm Mask
40468	UA 4 Green-Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 4 Units Assignment
40469	UA 4 Green-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40470	UA 4 Green-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 4 Assignment Alarm Mask
40471	UA 4 Red-Orange Backlight Assignment	0	13*	0	Read/Write	Same as UA 4 Units Assignment
40472	UA 4 Red-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40473	UA 4 Red-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 4 Assignment Alarm Mask
40474	UA 4 Red-Green Backlight Assignment	0	13*	0	Read/Write	Same as UA 4 Units Assignment
40475	UA 4 Red-Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40476	UA 4 Red-Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as UA 4 Assignment Alarm Mask
	Mnemonics					
40501	Mnemonic Default Display Color	0	2	0	Read/Write	0 = Grn, 1 = OrNG, 2 = rEd
40502	Mnemonic Green Backlight Assignment	0	13*	0	Read/Write	0 = NO 3 = Out3 6 = MAN 9 = RSPt 12 = tndn 1 = Out1 4 = Out4 7 = SPSL 10 = ILOC 13 = tnFL 2 = Out2 5 = ALr 8 = SPrP 11 = tUNE 14+ = FlexCard
40503	Mnemonic Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40504	Mnemonic Green Backlight Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
40505	Mnemonic Orange Backlight Assignment	0	13*	0	Read/Write	Same as Mnemonic Green Backlight Assignment
40506	Mnemonic Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40507	Mnemonic Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
40508	Mnemonic Red Backlight Assignment	0	13*	0	Read/Write	Same as Mnemonic Green Backlight Assignment
40509	Mnemonic Red Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40510	Mnemonic Red Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
40511	Mnemonic Green-Orange Backlight Assignment	0	13*	0	Read/Write	Same as Mnemonic Green Backlight Assignment
40512	Mnemonic Green-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40513	Mnemonic Green-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
40514	Mnemonic Red-Orange Backlight Assignment	0	13*	0	Read/Write	Same as Mnemonic Green Backlight Assignment
40515	Mnemonic Red-Orange Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40516	Mnemonic Red-Orange Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
40517	Mnemonic Red-Green Backlight Assignment	0	13*	0	Read/Write	Same as Mnemonic Green Backlight Assignment

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40518	Mnemonic Red-Green Backlight Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
40519	Mnemonic Red-Green Backlight Alarm Mask	0	65535	0	Read/Write	Same as Line 1 Green Backlight Alarm Mask
	Line 2 Input LOCS					
40541	Line 2 Input Display Access	0	21	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 2 = PrEd, Bit4 = HrEd; Other bits N/A
40542	Line 2 Maximum (Hi) Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40543	Line 2 Minimum (Lo) Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
	Line 2 Display LOCS					
40551	Display Intensity Level Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40552	Display Contrast Level Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
	Line 2 Alarm LOCS					
40561	Line 2 Alarm 1 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40562	Line 2 Alarm 1 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40563	Line 2 Alarm 2 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40564	Line 2 Alarm 2 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40565	Line 2 Alarm 3 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40566	Line 2 Alarm 3 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40567	Line 2 Alarm 4 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40568	Line 2 Alarm 4 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40569	Line 2 Alarm 5 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40570	Line 2 Alarm 5 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40571	Line 2 Alarm 6 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40572	Line 2 Alarm 6 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40573	Line 2 Alarm 7 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40574	Line 2 Alarm 7 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40575	Line 2 Alarm 8 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40576	Line 2 Alarm 8 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40577	Line 2 Alarm 9 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40578	Line 2 Alarm 9 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40579	Line 2 Alarm 10 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40580	Line 2 Alarm 10 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40581	Line 2 Alarm 11 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40582	Line 2 Alarm 11 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40583	Line 2 Alarm 12 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40584	Line 2 Alarm 12 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40585	Line 2 Alarm 13 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40586	Line 2 Alarm 13 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40587	Line 2 Alarm 14 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40588	Line 2 Alarm 14 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40589	Line 2 Alarm 15 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40590	Line 2 Alarm 15 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40591	Line 2 Alarm 16 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40592	Line 2 Alarm 16 Band/Dev.Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
	Line 2 PID LOCS					
40601	Line 2 Actual Setpoint Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40602	Line 2 Setpoint 1 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40603	Line 2 Setpoint 2 Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40604	Line 2 Remote Setpoint Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40605	Line 2 Output Power Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40606	Line 2 Deviation Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 2 = PrEd, Bit4 = HrEd
40607	Line 2 Setpoint Ramp Rate Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40608	Line 2 Remote Setpoint Ratio Value Access	0	42	0	Read/Write	0 = LOC, 1 = drEd, 2 = dEnt, 3 = PrEd, 4 = PEnt, 5 = HrEd, 6 = HEnt
40609	Line 2 Remote Setpoint Bias Value Access	0	42	0	Read/Write	0 = LOC, 1 = drEd, 2 = dEnt, 3 = PrEd, 4 = PEnt, 5 = HrEd, 6 = HEnt
40610	Line 2 Actual PID Offset Power Value Access	0	42	0	Read/Write	0 = LOC, 1 = drEd, 2 = dEnt, 3 = PrEd, 4 = PEnt, 5 = HrEd, 6 = HEnt
40611	Line 2 Actual PID Proportional Band Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40612	Line 2 Actual PID Integral Time Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40613	Line 2 Actual PID Derivitive Time Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40614	Line 2 Primary PID Offset Power Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
40615	Line 2 Primary PID Proportional Band Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40616	Line 2 Primary PID Integral Time Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40617	Line 2 Primary PID Derivitive Time Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40618	Line 2 Alternate PID Offset Power Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40619	Line 2 Alternate PID Proportional Band Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40620	Line 2 Alternate PID Integral Time Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40621	Line 2 Alternate PID Derivitive Time Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
	Line 2 Function LOCS					
40631	Line 2 Setpoint Selection Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40632	Line 2 Remote Setpoint Transfer (Local/Remote)	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40633	Line 2 Setpoint Ramping Disable	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40634	Line 2 Integral Lock Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40635	Line 2 Auto/Manual Mode Selection Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40636	Line 2 PID Bank Selection Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40637	Line 2 Tune Selection Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40638	Line 2 Reset Max Display Access	0	21	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt
40639	Line 2 Reset Min Display Access	0	21	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt
40640	Line 2 Reset Max and Min Access	0	21	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt
40641	Line 2 Reset Alarm Access	0	21	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt
40642	Line 2 List Selection Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40643	Line 2 Print Request Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
40644	Line 2 Reset Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
	Max (HI)/Min(LO) Values					
40651	Max (HI) Capture Delay Time	0	9999	0	Read/Write	0 = Max Update Rate, 1 = 0.1Sec
40652	Min (LO) Capture Delay Time	0	9999	0	Read/Write	0 = Max Update Rate, 1 = 0.1Sec
	Line 2 Code Configuration					
40661	Line 2 Security Code Value	0	250	0	Read/Write	
	PID CONFIGURATION PARAMETERS					
	Control					
40671	Assign	0	1*	0	Read/Write	0 = None, 1 = P2C PV, 2+ - Flex Card Assignments
40672	Control Type	0	2	0	Read/Write	0 = Heat, 1 = Cool, 2 = Both
40673	Control Mode	0	1	0	Read/Write	0 = Automatic, 1 = Manual
40674	Manual Power	-1000	1000	0	Read/Write	Output Power: Heat/Cool; * writable only in manual mode; 1 = 0.1%

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
	Remote Setpoint					
40676	Remote SP Assignment	0	3*	0	Read/Write	0 = NONE, 1 = P2C SP, 2 = P2C PV, 3 = P2C OP, 4+ = Flex Card Assignments
40677	Reserved for future use.					
40678	Ratio	1	9999	1000	Read/Write	1 = 0.1
40679	Bias	-1999	9999	0	Read/Write	1 = 1 Display Unit
40680	Select Local / Remote SP	0	1	0	Read/Write	0 = LOC, 1 = REM
	Setpoint					
40681	Setpoint Selection	0	1	0	Read/Write	0 = Setpoint 1, 1 = Setpoint 2
40682	Sepoint 1 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
40683	Setpoint 2 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
40684	Setpoint Lo Limit Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
40685	Setpoint Hi Limit Value	-1999	9999	9999	Read/Write	1 = 1 Display Unit
40686	Ramp Timebase	0	3	0	Read/Write	0 = Off, 1 = Seconds, 2 = Minutes, 3 = Hours
40687	Ramp Rate	0	9999	0	Read/Write	1 = 0.1 Ramp Timebase unit
	PID Parameters					
40691	PID Parameter Selection	0	1	0	Read/Write	0 = Primary PID Values, 1 = Alternate PID Values
40692	Primary Proportional Band	0	9999	700	Read/Write	1 = 1 Display Unit
40693	Primary Integral Time	0	65000	120	Read/Write	1 = 0.1 Second
40694	Primary Derivative Time	0	9999	30	Read/Write	1 = 0.1 Second
40695	Primary Power Filter Value	0	600	10	Read/Write	1 = 0.1 Second
40696	Primary Output Power Offset	-1000	1000	0	Read/Write	1 = 0.1 %; Applicable when Primary Integral Time is 0
40697	Alternate Proportional Band	0	9999	700	Read/Write	1 = 1 Display Unit
40698	Alternate Integral Time	0	65000	120	Read/Write	1 = 0.1 Second
40699	Alternate Derivative Time	0	9999	30	Read/Write	1 = 0.1 Second
40700	Alternate Power Filter Value	0	600	10	Read/Write	1 = 0.1 Second
40701	Alternate Output Power Offset	-1000	1000	0	Read/Write	1 = 0.1 %; Applicable when Secondary Integral Time is 0
	Power Transfer					
40711	Input Fault Power Value	-1999	2000	0	Read/Write	1 = 0.1 %
40712	Output Deadband	-1000	1000	0	Read/Write	1 = 0.1 %
40713	Output Heat Gain	0	5000	1000	Read/Write	1 = 0.1 %
40714	Heat Low Limit	0	2000	0	Read/Write	1 = 0.1 %
40715	Heat High Limit	0	2000	1000	Read/Write	1 = 0.1 %
40716	Output Cool Gain	0	5000	1000	Read/Write	1 = 0.1 %
40717	Cool Low Limit	0	2000	0	Read/Write	1 = 0.1 %
40718	Cool High Limit	0	2000	1000	Read/Write	1 = 0.1 %
	ON/OFF Control					
40741	On-Off Hysteresis	0	500	2	Read/Write	1 = 1 Display Unit
40742	On-Off Deadband	-1999	9999	0	Read/Write	1 = 1 Display Unit
	Tuning					
40751	Tuning Code	0	4	2	Read/Write	0 = Very Aggressive, 1 = Aggressive, 2 = Default, 3 = Conservative, 4 = Very Conservative
40752	Auto-Tune Start	0	1	0	Read/Write	0 = NO 1 = YES
	Slave ID / GUID					
41001-41010	Slave ID	N/A	N/A	N/A	Read Only	<'P' 'X'> <'2' 'C'> <'1' '5'> <2020h> <2020h> <'a' 'b'> <00h 'c'> <0040h> <0040h> <0010h> a = SP Card Status. '0'-No Card, '2'-Dual SP, '4'-Quad SP b = Linear Card Status. "0"-Not Installled, "1"-Installed c = Version Number (1.50 or higher) <0040h> <0040h> = 64 Register Writes, 64 Register Reads (Max.) <0010h> = 16 Register GUID/Scratch
41101-41116	GUID/Scratch	N/A	N/A	N/A	Read/Write	Reserved (may be used in future RLC software)

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
	FACTORY SERVICE					
41151-41156	Factory Service Registers	N/A	N/A	N/A	Read/Write	Factory Use Only - Do Not Modify
	Math / Logic					
41121-1200	Reserved for Math/Logic Operations					
	ALARM PARAMETERS					
	Alarm 1					
41201	Assign	0	1*	1	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41202	Action	0	9	1	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41203	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41204	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41205	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41206	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41207	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41208	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41209	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 2					
41221	Assign	0	1*	1	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41222	Action	0	9	1	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41223	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41224	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41225	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41226	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41227	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41228	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41229	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 3					
41241	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41242	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41243	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41244	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41245	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41246	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41247	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41248	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41249	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 4					
41261	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41262	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41263	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41264	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41265	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41266	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41267	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41268	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41269	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 5					
41281	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
41282	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41283	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41284	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41285	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41286	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41287	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41288	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41289	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 6					
41301	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41302	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41303	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41304	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41305	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41306	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41307	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41308	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41309	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 7					
41321	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41322	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41323	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41324	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41325	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41326	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41327	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41328	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41329	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 8					
41341	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41342	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41343	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41344	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41345	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41346	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41347	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41348	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41349	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 9					
41361	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41362	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41363	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41364	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41365	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41366	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41367	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41368	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes

REGISTER ADDRESS	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
41369	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 10					
41381	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41382	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41383	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41384	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41385	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41386	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41387	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41388	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41389	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 11					
41401	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41402	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41403	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41404	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41405	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41406	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41407	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41408	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41409	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 12					
41421	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41422	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41423	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41424	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41425	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41426	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41427	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41428	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41429	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 13					
41441	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41442	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41443	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41444	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41445	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41446	Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41447	Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41448	Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41449	Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
	Alarm 14					
41461	Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41462	Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41463	Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41464	On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41465	Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second

REGISTER ADDRESS		REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
41466		Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41467		Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41468		Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41469		Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
		Alarm 15					
41481		Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41482		Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41483		Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41484		On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41485		Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41486		Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41487		Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41488		Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41489		Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
		Alarm 16					
41501		Assign	0	1*	0	Read/Write	0 = None, 1 = Process Input Value, 2+ = FlexCard Assignments
41502		Action	0	9	0	Read/Write	0 = No, 1 = AbHI, 2 = AbLO, 3 = AUHI, 4 = AULO, 5 = dEHI, 6 = dELO, 7 = bANd, 8 = bdIn, 9=HCur
41503		Hysteresis Value	1	9999	2	Read/Write	1 = 1 Display Unit
41504		On Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41505		Off Time Delay	0	9999	0	Read/Write	1 = 0.1 Second
41506		Output Logic	0	1	0	Read/Write	0 = Normal, 1 = Reverse
41507		Reset Action	0	2	0	Read/Write	0 = Auto, 1 = Latch1, 2 = Latch2
41508		Standby Operation	0	1	0	Read/Write	0 = No, 1 = Yes
41509		Probe Failure Action (TC or RTD Only)	0	1	0	Read/Write	0 = Off, 1 = On (Applies for TC or RTD input)
		ALARM SCALING PARAMETERS					
List A	**List B**	**Alarm Values**					
41551	41651	Alarm 1 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41552	41652	Alarm 2 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41553	41653	Alarm 3 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41554	41654	Alarm 4 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41555	41655	Alarm 5 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41556	41656	Alarm 6 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41557	41657	Alarm 7 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41558	41658	Alarm 8 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41559	41659	Alarm 9 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41560	41660	Alarm 10 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41561	41661	Alarm 11 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41562	41662	Alarm 12 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41563	41663	Alarm 13 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41564	41664	Alarm 14 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41565	41665	Alarm 15 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41566	41666	Alarm 16 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
41567	41667	Alarm 1 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41568	41668	Alarm 2 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41569	41669	Alarm 3 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41570	41670	Alarm 4 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41571	41671	Alarm 5 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41572	41672	Alarm 6 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41573	41673	Alarm 7 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41574	41674	Alarm 8 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit

REGISTER ADDRESS		REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
41575	41675	Alarm 9 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41576	41676	Alarm 10 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41577	41677	Alarm 11 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41578	41678	Alarm 12 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41579	41679	Alarm 13 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41580	41680	Alarm 14 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41581	41681	Alarm 15 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
41582	41682	Alarm 16 Band/Dev. Value	-1999	9999	0	Read/Write	Applicable only for Band or Deviation Alarm Action. 1 = 1 Display Unit
		SERIAL COMMUNICATION PARAMETERS					
41701		USB Mode	0	1	0	Read/Write	0 = Configuration, 1 = Serial
41702		Type	0	2	2	Read/Write	0 = RLC Protocol (ASCII), 1 = Modbus RTU, 2 = Modbus ASCII
41703		Baud Rate	0	5	5	Read/Write	0 = 1200, 1 = 2400, 2 = 4800, 3 = 9600, 4 = 19200, 5 = 38400
41704		Data Bits	0	1	1	Read/Write	0 = 7 Bits, 1 = 8 Bits
41705		Parity	0	2	0	Read/Write	0 = None, 1 = Even, 2 = Odd
41706		Address	0	99	0	Read/Write	RLC Protocol: 0-99
			1	247	247		Modbus: 1-247
41707		Transmit Delay	0	250	10	Read/Write	1 = 0.001 Second
41708		Abbreviated Transmission (RLC only)	0	1	0	Read/Write	0 = No, 1 = Yes (Not used when communications type is Modbus)
41709		Print Options (RLC only)	0	8191	1	Read/Write	0 = No, 1 = Yes (Not used when communications type is Modbus) Bit 0 – Print Input Value, Bit 1 – Print SP Value, Bit 2 – Print Setpoint Ramp Rate Value, Bit 3 – Print Output Power, Bit 4 – Print Proportional Value, Bit 5 – Print Integral Value, Bit 6 - Print Derivative Value, Bit 7 – Print Alarm Status, Bit 8 – Print Alarm 1 Value, Bit 9 – Print Alarm 2 Value, Bit 10 – Print Alarm 3 Value, Bit 11 – Print Alarm 4 Value, Bit 12 – Print Control Status Bits
41710		Load Serial Settings	0	1	0	Read/Write	Changing 41701-41710 will not update the PAX2C until this register is written with a 1. After the write, the communicating device must be changed to new PAX2C settings and this register returns to 0.

* Higher limit is applicable with FlexCard installed.

PX2FCA0 Modbus Register Table **REVISED 01/30/15**

REGISTER ADDRESS †	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
	FREQUENTLY USED REGISTERS					
4n001	Input Process Value (Hi word)	-1999	9999	N/A	Read Only	1 = 1 Display Unit ADC Overrange Value = 1048576, Underrange Value = -1048576
4n002	Input Process Value (Lo word)					
4n003	Input Process Maximum (Hi word)	-1999	9999	N/A	Read Only	1 = 1 Display Unit
4n004	Input Process Maximum (Lo word)					
4n005	Input Process Minimum (Hi word)	-1999	9999	N/A	Read Only	1 = 1 Display Unit
4n006	Input Process Minimum (Lo word)					
4n007	Active SP	-1999	9999	N/A	Read/Write	1 = 0.1%
4n008	Active Remote SP	-1999	9999	N/A	Read Only	1 = 0.1%
4n009	Status Flags	0	255	N/A	Read Only	Bit 8 Set = ADC Underrange, Bit 7 Set = ADC Overrange. Bit 6 Set = SP Ramping Bit 5 Set = Auto Tune Fail Bit 4 Set = Auto Tune Done Bit 3:0 = Auto Tune Phase
4n010	Output Status Register	0	15	0	Read/Write	Status of Solid-State Outputs. Bit State: 0 = OFF, 1 = ON. Bit 3 = O4, Bit 2 = O3, Bit 1 = O2, Bit 0 = O1.
4n011	Heat Power	0	1000	0	Read Only	1 = 0.1%
4n012	Cool Power	0	1000	0	Read Only	1 = 0.1%
4n013-4n0024	Reserved					
4n035	Control Flags	0	1000	0	Read/Write	Bit 6: AutoTune; 0 = NO, 1 = YES Bit 5: MAN; 0 = PID Auto Mode, 1 = PID Manual (User) Mode; Bit 4: PSEL; 0 = Primary PID, 1 = Alternate PID, Bit 3: ILOC; 0 = Enable Integral Action, 1 = Disable Integral Action; Bit 2: RSPt; 0 = Local SP, 1 = Remote SP; Bit 1: SPSL; 0 = SP1, 1 = Req. SP2; Bit 0: SPrP; 0 = SP Ramping Enable, 1 = SP Ramping Disable
	INPUT PARAMETERS					**SEE INPUT MODULE FOR PARAMETER DESCRIPTIONS**
	Analog Input Parameters					
4n071	Input Type	0	1	0	Read/Write	0 = 0 to 10V DC, 1 = 0 to 20mA DC
4n072	Input Square Root Linearization	0	1	0	Read/Write	0 = No, 1 = Yes
4n073	Input Decimal Point	0	3	3	Read/Write	0 = 0, 1 = 0.0, 2 = 0.00, 3 = 0.000
4n074	Input Rounding	0	6	0	Read/Write	0 = 1, 1 = 2, 2 = 5, 3 = 10, 4 = 20, 5 = 50, 6 = 100
4n075	Input Offset Value (Hi word)	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n076	Input Offset Value (Lo word)					
4n077	Input Filter Value	0	250	10	Read/Write	1 = 0.1 Second
4n078	Input Filter Band Value	0	250	10	Read/Write	1 = 1 display unit
4n079	Max (HI) Capture Delay Time	0	9999	0	Read/Write	0 = Max Update Rate, 1 = 0.1Sec
4n080	Min (LO) Capture Delay Time	0	9999	0	Read/Write	0 = Max Update Rate, 1 = 0.1Sec
	Input Scaling Point Parameters					
4n101	Number of Scaling Points	2	15	2	Read/Write	Number of Linearization Scaling Points
4n102	Reserved	N/A	N/A	N/A	N/A	Reserved for future use
4n103	Scaling Pt.1 Input Value (Hi word)	0	9999	0	Read/Write	1 = 0.001
4n104	Scaling Pt.1 Input Value (Lo word)					
4n105	Scaling Pt.1 Display Value (Hi word)	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n106	Scaling Pt.1 Display Value (Lo word)					
4n107	Scaling Pt.2 Input Value (Hi word)	0	9999	1000	Read/Write	1 = 0.001
4n108	Scaling Pt.2 Input Value (Lo word)					

REGISTER ADDRESS †	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
4n109	Scaling Pt.2 Display Value (Hi word)	-1999	9999	1000	Read/Write	1 = 1 Display Unit
4n110	Scaling Pt.2 Display Value (Lo word)					
4n111 thru 4n162	Scaling Pts. 3 thru 15 Values	0 (input) -1999 (dsp)	9999	0	Read/Write	Registers 40111-40162 hold values for Scaling Points 3 thru 15, and follow the same ordering as Scaling Points 1 and 2.
	DISPLAY CONFIGURATION PARAMETERS					
	Line 2 Input LOCS Parameters					
4n201	Line 2 Input Display Access	0	21	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 2 = PrEd, Bit4 = HrEd; Other bits N/A
4n202	Line 2 Maximum (Hi) Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n203	Line 2 Maximum (Hi) Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
	Line 2 PID LOCS Parameters					
4n211	Line 2 Actual Setpoint Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n212	Line 2 Remote Setpoint Value Access	0	21	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 2 = PrEd, Bit4 = HrEd; Other bits N/A
4n213	Line 2 Output Power Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 2 = PrEd, Bit4 = HrEd; Other bits N/A
4n214	Line 2 Deviation Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 2 = PrEd, Bit4 = HrEd; Other bits N/A
4n215	Line 2 Setpoint Ramping Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n216	Line 2 Remote Setpoint Ratio	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n217	Line 2 Remote Setpoint Bias	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n218	Line 2 Active Output Power Offset Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n219	Line 2 Active Proportional Band Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n220	Line 2 Active Integral Time Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n221	Line 2 Active Derivative Time Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
	Line 2 Function LOCS Parameters					
4n230	Line 2 Reset Max Display Access	0	42	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt; Other bits N/A
4n231	Line 2 Reset Min Display Access	0	42	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt; Other bits N/A
4n232	Line 2 Reset Max and Min Access	0	42	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt; Other bits N/A
4n233	Line 2 Setpoint Selection Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n234	Line 2 Local / Remote Transfer Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n235	Line 2 Setpoint Ramping Disable	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n236	Line 2 Integral Lock Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n237	Line 2 Auto/Manual Mode Selection Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n238	Line 2 PID Bank Selection Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n239	Line 2 Tune Selection Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt

REGISTER ADDRESS †	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
	OUTPUT PARAMETERS					
4n251	Output 1 Assignment	0	PAX2 Unit and FlexCard dependent	0	Read/Write	Assignments dependent on Pax2 Flex model in which card is installed. Output Assignment List order = Px2, FC1, FC2, FC3 Number of PX2FCA1 Output Assignments = 0
4n252	Output 1 Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
4n253	Output 1 Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
4n254	Output 1 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
4n255	Output 2 Assignment	0	6	0	Read/Write	Same as Output 1 Assignment
4n256	Output 2 Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
4n257	Output 2 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
4n258	Output 2 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
4n259	Output 3 Assignment	0	6	0	Read/Write	Same as Output 1 Assignment
4n260	Output 3 Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
4n261	Output 3 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
4n262	Output 3 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
4n263	Output 4 Assignment	0	6	0	Read/Write	Same as Output 1 Assignment
4n264	Output 4 Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
4n265	Output 4 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
4n266	Output 4 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
	PID CONFIGURATION PARAMETERS					
	Control Parameters					
4n301	Assign	0	2*	0	Read/Write	0 = None, 1 = Px2C Process Value, 2 = Px2C Out Pwr, 3+ - Flex Card PID Assignments; FCn Input, FCn OP
4n302	Control Type	0	2	0	Read/Write	0 = Heat, 1 = Cool, 2 = Both
4n303	Control Mode	0	1	0	Read/Write	0 = Automatic, 1 = Manual
4n304	Manual Power	-1999	2000	0	Read/Write	Output Power: Heat/Cool; 1=0.1%; *-writeable only in manual mode
	Remote Setpoint Parameters					
4n306	Remote SP Assignment	0	1*	0	Read/Write	0 = NONE, 1 = P2C SP, 2 = P2C PV, 3 = P2C OP, 4+ = Flex Card Assignments FCn Input, FCn OP
4n307	Reserved Register	-32768	-32768	N/A		Was SP Transfer Mode
4n308	Ratio	1	9999	1000	Read/Write	1 = 0.1
4n309	Bias	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n310	Select Local / Remote SP	0	1	0	Read/Write	
	Setpoint Parameters					
4n311	Setpoint Selection	0	1	0	Read/Write	0 = Setpoint 1, 1 = Setpoint 2
4n312	Sepoint 1 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n313	Setpoint 2 Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n314	Setpoint Lo Limit Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n315	Setpoint Hi Limit Value	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n316	Ramp Timebase	0	3	0	Read/Write	0 = Off, 1 = Seconds, 2 = Minutes, 3 = Hours
4n317	Ramp Rate	0	9999	0	Read/Write	1 = 0.1 Ramp Timebase unit
	PID Parameters					
4n321	PID Parameter Selection	0	1	0	Read/Write	0 = Primary PID Values, 1 = Alternate PID Values
4n322	Primary Proportional Band	0	9999	40	Read/Write	1 = 1 Display Unit
4n323	Primary Integral Time	0	65000	120	Read/Write	1 = 0.1 Second
4n324	Primary Derivative Time	0	9999	30	Read/Write	1 = 0.1 Second
4n325	Primary Power Filter Value	0	600	10	Read/Write	1 = 0.1 Second

REGISTER ADDRESS †	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
4n326	Primary Output Power Offset	-1000	1000	0	Read/Write	1 = 0.1 %; Applicable when Primary Integral Time is 0
4n327	Secondary Proportional Band	0	9999	40	Read/Write	1 = 1 Display Unit
4n328	Secondary Integral Time	0	65000	120	Read/Write	1 = 0.1 Second
4n329	Secondary Derivative Time	0	9999	30	Read/Write	1 = 0.1 Second
4n330	Secondary Power Filter Value	0	600	10	Read/Write	1 = 0.1 Second
4n331	Secondary Output Power Offset	-1000	1000	0	Read/Write	1 = 0.1 %; Applicable when Secondary Integral Time is 0
	Power Transfer Parameters					
4n341	Input Fault Power Value	-1999	2000	0	Read/Write	1 = 0.1 %
4n342	Output Deadband	-1000	1000	0	Read/Write	1 = 0.1 %
4n343	Output Heat Gain	0	5000	1000	Read/Write	1 = 0.1 %
4n344	Heat Low Limit	0	2000	0	Read/Write	1 = 0.1 %
4n345	Heat High Limit	0	2000	1000	Read/Write	1 = 0.1 %
4n346	Output Cool Gain	0	5000	1000	Read/Write	1 = 0.1 %
4n347	Cool Low Limit	0	2000	0	Read/Write	1 = 0.1 %
4n348	Cool High Limit	0	2000	1000	Read/Write	1 = 0.1 %
	ON/OFF Control Parameters					
4n371	On-Off Hysteresis	0	500	0	Read/Write	1 = 1 Display Unit
4n372	On-Off Deadband	-1999	9999	0	Read/Write	1 = 1 Display Unit
	Tuning Parameters					
4n381	Tuning Code	0	4	2	Read/Write	0 = Very Aggressive, 1 = Aggressive, 2 = Default, 3 = Conservative, 4 = Very Conservative
4n382	Auto-Tune Start	0	1	0	Read/Write	0 = NO, 1 = YES
	PX2 USER INPUT / FUNCTION KEYS PARAMETERS			**REFER TO PAX2 MANUAL FOR STARTING LOCATION OF FLEX CARD FUNCTIONS (NUMBER OF PAX2 FUNCTIONS + 1)**		
**	User Input Action	0	"FlexCard Dependent"	0	Read/Write	n+1 = ILOC n+4 = PSL n+7 = r-HI n+10 = r-HL n+2 = TRNF n+5 = SPrP n+8 = d-Lo n+3 = SPSL n+6 = d-HI n+9 = r-Lo n = Starting location for Flex Card Function List order = Px2, FC1, FC2, FC3 Number of PX2FCA00 User Functions = 10
**	User Key Action	0	"FlexCard Dependent"	0	Read/Write	1 = ILOC 4 = PSL 7 = r-Lo 2 = TRNF 5 = SPrP 8 = r-HL 3 = SPSL 6 = r-HI n = Starting location for Flex Card Function List order = Px2, FC1, FC2, FC3 Number of PX2FCA00 Key Functions = 6

† - n = 1 + FlexCard Address

** - See Modbus Table for PAX2 unit (FlexBus model) in which card is being installed

PX2FCA1 Modbus Register Table **REVISED 01/30/15**

REGISTER ADDRESS †	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
	FREQUENTLY USED REGISTERS					
4n001	Input Process Value (Hi word)	-1999	9999	N/A	Read Only	1 = 1 Display Unit ADC Overrange Value = 1048576, Underrange Value = -1048576
4n002	Input Process Value (Lo word)					
4n003	Input Process Maximum (Hi word)	-1999	9999	N/A	Read Only	1 = 1 Display Unit
4n004	Input Process Maximum (Lo word)					
4n005	Input Process Minimum (Hi word)	-1999	9999	N/A	Read Only	1 = 1 Display Unit
4n006	Input Process Minimum (Lo word)					
4n007	Input Process Status Flags	0	255	N/A	Read Only	Bit 3 Set = ADC Underrange, Bit 2 Set = ADC Overrange.
	INPUT PARAMETERS					**SEE INPUT MODULE FOR PARAMETER DESCRIPTIONS**
	Analog Input Parameters					
4n071	Heater Current Monitor	0	4*	1	Read/Write	0 = None, 1 = P2C Out1, 2 = P2C Out2, 3 = P2C Out3, 4=P2C Out4, 5+ = FlexCard 1, 2, or 3 Outputs
4n072	Input Square Root Linearization	0	1	0	Read/Write	0 = No, 1 = Yes
4n073	Input Decimal Point	0	3	1	Read/Write	0 = 0, 1 = 0.0, 2 = 0.00, 3 = 0.000
4n074	Input Rounding	0	6	0	Read/Write	0 = 1, 1 = 2, 2 = 5, 3 = 10, 4 = 20, 5 = 50, 6 = 100
4n075	Input Offset Value (Hi word)	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n076	Input Offset Value (Lo word)					
4n077	Input Filter Value	0	250	10	Read/Write	1 = 0.1 Second
4n078	Input Filter Band Value	0	250	10	Read/Write	1 = 1 display unit
4n079	Max (HI) Capture Delay Time	0	9999	0	Read/Write	0 = Max Update Rate, 1 = 0.1Sec
4n080	Min (LO) Capture Delay Time	0	9999	0	Read/Write	0 = Max Update Rate, 1 = 0.1Sec
	Input Scaling Point Parameters					
4n101	Number of Scaling Points	2	15	2	Read/Write	Number of Linearization Scaling Points
4n102	Reserved	N/A	N/A	N/A	N/A	Reserved for future use
4n103	Scaling Pt.1 Input Value (Hi word)	0	9999	0	Read/Write	1 = 0.001
4n104	Scaling Pt.1 Input Value (Lo word)					
4n105	Scaling Pt.1 Display Value (Hi word)	-1999	9999	0	Read/Write	1 = 1 Display Unit
4n106	Scaling Pt.1 Display Value (Lo word)					
4n107	Scaling Pt.2 Input Value (Hi word)	0	9999	1000	Read/Write	1 = 0.001
4n108	Scaling Pt.2 Input Value (Lo word)					
4n109	Scaling Pt.2 Display Value (Hi word)	-1999	9999	1000	Read/Write	1 = 1 Display Unit
4n110	Scaling Pt.2 Display Value (Lo word)					
4n111 thru 4n162	Scaling Pts. 3 thru 15 Values	0 (input) -1999 (dsp)	9999	0	Read/Write	Registers 40111-40162 hold values for Scaling Points 3 thru 15, and follow the same ordering as Scaling Points 1 and 2.
	DISPLAY CONFIGURATION PARAMETERS					
	Line 2 Input LOCS Parameters					
4n201	Line 2 Input Display Access	0	21	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 2 = PrEd, Bit4 = HrEd; Other bits N/A
4n202	Line 2 Maximum (Hi) Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
4n203	Line 2 Maximum (Hi) Value Access	0	42	0	Read/Write	0 = LOC; Bit 0 = dREd, Bit 1 = dEnt, Bit 2 = PrEd, Bit 3 = PEnt, Bit4 = HrEd, Bit5 = HEnt
	Line 2 Function LOCS Parameters					
4n230	Line 2 Reset Max Display Access	0	42	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt; Other bits N/A
4n231	Line 2 Reset Min Display Access	0	42	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt; Other bits N/A
4n232	Line 2 Reset Max and Min Access	0	42	0	Read/Write	0 = LOC; Bit 1 = dEnt, Bit 3 = PEnt, Bit5 = HEnt; Other bits N/A

REGISTER ADDRESS †	REGISTER NAME	LOW LIMIT	HIGH LIMIT	FACTORY SETTING	ACCESS	COMMENTS
	OUTPUT PARAMETERS					
4n250	Output 1 Assignment	0	PAX2 Unit and FlexCard dependent	0	Read/Write	Assignments dependent on Pax2 Flex model in which card is installed. Output Assignment List order = Px2, FC1, FC2, FC3 Number of PX2FCA1 Output Assignments = 0
4n251	Output 1 Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
4n252	Output 1 Alarm Mask	0	65535	0	Read/Write	Bit 0 = A1 Bit 4 = A5 Bit 8 = A9 Bit 12 = A13 Bit 1 = A2 Bit 5 = A6 Bit 9 = A10 Bit 13 = A14 Bit 2 = A3 Bit 6 = A7 Bit 10 = A11 Bit 14 = A15 Bit 3 = A4 Bit 7 = A8 Bit 11 = A12 Bit 15 = A16
4n253	Output 1 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
4n254	Output 2 Assignment	0	6	0	Read/Write	Same as Output 1 Assignment
4n255	Output 2 Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
4n256	Output 2 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
4n257	Output 2 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
4n258	Output 3 Assignment	0	6	0	Read/Write	Same as Output 1 Assignment
4n259	Output 3 Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
4n260	Output 3 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
4n261	Output 3 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
4n262	Output 4 Assignment	0	6	0	Read/Write	Same as Output 1 Assignment
4n263	Output 4 Alarm Logic Mode	0	2	0	Read/Write	0 = SINGLE, 1 = AND, 2 = OR
4n264	Output 4 Alarm Mask	0	65535	0	Read/Write	Same as Output 1 Alarm Mask
4n265	Output 4 Cycle Time	0	600	20	Read/Write	1 = 0.1 Second
	PX2 USER INPUT / FUNCTION KEYS PARAMETERS			**REFER TO PAX2 MANUAL FOR STARTING LOCATION OF FLEX CARD FUNCTIONS (NUMBER OF PAX2 FUNCTIONS + 1)**		
**	User Input Action	0	FlexCard Dependent	0	Read/Write	n+0 = ILOC n+3 = PSL n+6 = r-HI n+9 = r-HL n+1 = TRNF n+4 = SPrP n+7 = d-Lo n+2 = SPSL n+5 = d-HI n+8 = r-Lo n = Starting selection number for Flex Card Function List order = Px2, FC1, FC2, FC3 Number of PX2FCA00 User Functions = 10
**	User Key Action	0	FlexCard Dependent	0	Read/Write	n+0 = ILOC n+3 = PSL n+6 = r-Lo n+1 = TRNF n+4 = SPrP n+7 = r-HL n+2 = SPSL n+5 = r-HI n = Starting selection number for Flex Card Function List order = Px2, FC1, FC2, FC3 Number of PX2FCA00 Key Functions = 6

† - n = 1 + FlexCard Address

** - See Modbus Table for PAX2 unit (FlexBus model) in which card is being installed