

TROUBLESHOOTING

PROBLEM	REMEDIES
NO DISPLAY	CHECK: Power level, power connections
PROGRAM LOCKED-OUT	CHECK: Active (lock-out) user input ENTER: Security code requested
MAX, MIN, TOT LOCKED-OUT	CHECK: Module 3 programming
INCORRECT INPUT DISPLAY VALUE	CHECK: Module 1 programming, Input Range Jumper position, input connections, input signal level, Module 4 Display Offset is zero, press DSP for Input Display PERFORM: Module 9 Calibration (If the above does not correct the problem.)
"LOL" in DISPLAY (SIGNAL HIGH)	CHECK: Module 1 programming, Input Range Jumper position, input connections, input signal level
"ULUL" in DISPLAY (SIGNAL LOW)	CHECK: Module 1 programming, Input Range Jumper position, input connections, input signal level
JITTERY DISPLAY	INCREASE: Module 1 filtering, rounding, input range CHECK: Wiring is per EMC installation guidelines
MODULES or PARAMETERS NOT ACCESSIBLE	CHECK: Corresponding option card installation
ERROR CODE (Err 1-4)	PRESS: Reset KEY (If cannot clear contact factory.)
DISPLAY ZERO'S AT LEVELS BELOW 1% OF RANGE	PROGRAM: Module 4 as Hi-t: 0.0 LO-t: 3271.1 (to disable zero chop feature)

If for any reason you have trouble operating, connecting, or simply have questions concerning your new unit, contact Red Lion's technical support.

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PARAMETER VALUE CHART PAX MODEL NUMBER _____

Programmer _____ Date _____
Meter# _____ Security Code _____

1- INP Signal Input Parameters

DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING	DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING
RANGE	MODEL DEPENDENT		0.02 A	INP 6	* INPUT VALUE 6	0.000	
TYPE	PAXT: INPUT TYPE	tc-J		dSP 6	* DISPLAY VALUE 6	0	
SCALE	PAXT: TEMPERATURE SCALE	°F		INP 7	* INPUT VALUE 7	0.000	
COUPL	PAXH: INPUT COUPLE	AC		dSP 7	* DISPLAY VALUE 7	0	
DECPt	* DISPLAY RESOLUTION	0		INP 8	* INPUT VALUE 8	0.000	
round	DISPLAY ROUNDING INCREMENT	1		dSP 8	* DISPLAY VALUE 8	0	
OFFSt	PAXT: DISPLAY OFFSET	0		INP 9	* INPUT VALUE 9	0.000	
FILtr	FILTER SETTING - PAXH 0.5	10		dSP 9	* DISPLAY VALUE 9	0	
bAND	FILTER ENABLE BAND - PAXH 0.020	10		INP 10	* INPUT VALUE 10	0.000	
ICE	PAXT: ICE POINT SLOPE	0.00		dSP 10	* DISPLAY VALUE 10	0	
PtS	SCALING POINTS	2	3	INP 11	* INPUT VALUE 11	0.000	
StYLE	SCALING STYLE - NOT PAXT	PEY		dSP 11	* DISPLAY VALUE 11	0	
INP 1	* INPUT VALUE 1	0.000	0	INP 12	* INPUT VALUE 12	0.000	
dSP 1	* DISPLAY VALUE 1	0	0	dSP 12	* DISPLAY VALUE 12	0	
INP 2	* INPUT VALUE 2	1.000	4	INP 13	* INPUT VALUE 13	0.000	
dSP 2	* DISPLAY VALUE 2	1.000	0	dSP 13	* DISPLAY VALUE 13	0	
INP 3	* INPUT VALUE 3	0.000	20	INP 14	* INPUT VALUE 14	0.000	
dSP 3	* DISPLAY VALUE 3	0	N	dSP 14	* DISPLAY VALUE 14	0	
INP 4	* INPUT VALUE 4	0.000		INP 15	* INPUT VALUE 15	0.000	
dSP 4	* DISPLAY VALUE 4	0		dSP 15	* DISPLAY VALUE 15	0	
INP 5	* INPUT VALUE 5	0.000		INP 16	* INPUT VALUE 16	0.000	
dSP 5	* DISPLAY VALUE 5	0		dSP 16	* DISPLAY VALUE 16	0	

* Decimal point location is model and programming dependent.

2-FNC User Input and Function Key Parameters

DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING
U5r-1	USER INPUT 1	00	
U5r-2	USER INPUT 2	00	
U5r-3	USER INPUT 3	00	
F1	FUNCTION KEY 1	00	
F2	FUNCTION KEY 2	00	
r5t	RESET KEY	00	
5c-F1	2nd FUNCTION KEY 1	00	
5c-F2	2nd FUNCTION KEY 2	00	

3-LCK Display and Program Lockout Parameters

DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING
H1	MAX DISPLAY LOCKOUT	L0C	
L0	MIN DISPLAY LOCKOUT	L0C	
t0t	TOTAL DISPLAY LOCKOUT	L0C	
SP-1	SETPOINT 1 ACCESS	L0C	
SP-2	SETPOINT 2 ACCESS	L0C	
SP-3	SETPOINT 3 ACCESS	L0C	
SP-4	SETPOINT 4 ACCESS	L0C	
codE	SECURITY CODE	0	

4-SEC Secondary Function Parameters

DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING
H1-t	MAX CAPTURE DELAY TIME	00	
L0-t	MIN CAPTURE DELAY TIME	00	
dSP-t	DISPLAY UPDATE TIME	2	
Rt-t	PAXS: AUTO-ZERO DELAY	0	
Rt-b	PAXS: AUTO-ZERO BAND	002	
b-L1t	UNITS LABEL BACKLIGHT - PAXT 0N	0FF	
0FF5t	DISPLAY OFFSET - NOT PAXT	000	
ICE	PAXT: ICE POINT COMPENSATION	0N	

5-INT Totalizer (Integrator) Parameters

DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING
dECPt	* TOTALIZER DECIMAL POINT	0	
tBASE	TOTALIZER TIME BASE	.1N	
SCFAC	TOTALIZER SCALE FACTOR	1000	
Locut	* TOTALIZER LOW CUT VALUE	-19999	
P-UP	TOTALIZER POWER-UP RESET	00	

7-SRL Serial Communication Parameters

DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING
bAUD	BAUD RATE	9600	
dARt	DATA BIT	7	
PARr	PARITY BIT	0dd	
Raddr	METER ADDRESS	0	
Rbrw	ABBREVIATED PRINTING	YES	
OPT	ENTER PRINT OPTIONS	00	
GrOSS	PAXS: PRINT GROSS OFFSET	00	
tARE	PAXS: PRINT TARE OFFSET	00	
INP	PRINT INPUT VALUE	YES	
tot	PRINT TOTAL VALUE	YES	
H1L0	PRINT MAX & MIN VALUES	YES	
SPnt	PRINT SETPOINT VALUES	00	

8-OUT Analog Output Parameters

DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING
tYPE	ANALOG TYPE	4-20	
AS1N	ANALOG ASSIGNMENT	1NP	
AN-L0	* ANALOG LOW SCALE VALUE	0	0
AN-H1	* ANALOG HIGH SCALE VALUE	1000	N
udt	ANALOG UPDATE TIME	00	
burn	PAXT: PROBE BURN-OUT ACTION	L0	

9-FCS Factory Setting Parameters

DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING
d-LEu	DISPLAY INTENSITY LEVEL	3	15

6-SPt Setpoint (Alarm) Parameters

		SP-1		SP-2		SP-3		SP-4	
DISPLAY	PARAMETER	FACTORY SETTING	USER SETTING	FACTORY SETTING	USER SETTING	FACTORY SETTING	USER SETTING	FACTORY SETTING	USER SETTING
REt-n	SETPOINT ACTION	0FF	AU-Lo	0FF		0FF		0FF	
SP-n	* SETPOINT VALUE (main)	100	N	200		300		400	
	* SETPOINT VALUE (alternate) †	100		200		300		400	
Src-n	SETPOINT SOURCE	rEL		rEL		rEL		rEL	
HY5-n	* SETPOINT HYSTERESIS	2	N	2		2		2	
t0N-n	ON TIME DELAY	00		00		00		00	
t0F-n	OFF TIME DELAY	00		00		00		00	
out-n	OUTPUT LOGIC	nor		nor		nor		nor	
r5t-n	RESET ACTION	RUt0		RUt0		RUt0		RUt0	
Stb-n	STANDBY OPERATION	00		00		00		00	
L1t-n	SETPOINT ANNUNCIATORS	nor		nor		nor		nor	
brn-n	PAXT: PROBE BURN-OUT ACTION	0FF		0FF		0FF		0FF	

† Select alternate list to program these values.

* Decimal point location is model and programming dependent.