2104 *QuickInfo*

Setup PAGES

Display	dISP	Output #1	Out1
Control	Ctrl	Output #2	Out2
Input	InPt	Output #3	Out3
Ramp/Soak	rSP9	Output #4	Out4
Custom Input Output Scaling	ScAl	Output #5	Out5
		Digital Communications	dIG

rSP9 PAGE

This setup PAGE appears only if Ramp/Soak control is turned on. The Ramp/Soak Enable parameter is the next to the last menu on Ctrl PAGE, Menu rSEn.

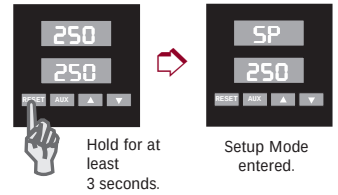
Ramp/Soak Page

MENU	Description	Available Settings
unit	Time Units	SEc = seconds (1 to 9999) Min = minutes (0.1 to 999.9) hr = hours (0.01 to 99.99)
StbY	Standby Setpoint	Instrument Sensor Span
int1	Interval 1 Time	see Time Units Menu (above)
SP1	Setpoint 1 • • •	Instrument Sensor Span Intervals 2-16 Time and Setpoint
Cont	Continuous	OFF, On
Fro	Loop from the end of interval	1 to 16
to	To the beginning of interval	1 to 16
no	Number of times	0 to 9999
SbEt	Standby Events	OFF = All off E3 = Event Output 3 On E4 = Event Output 4 On E43 = Event Outputs 4 & 3 On E5 = Event Output 5 On E53 = Event Outputs 5 & 3 On E54 = Event Outputs 5 & 4 On E543 = Event Outputs 5, 4, 3 On
dIE	Interval 1-16 Events	same as above for Stand by Events
GSdb	Guaranteed Soak Differential	OFF, 1°F to sensor range

Front Panel Identification

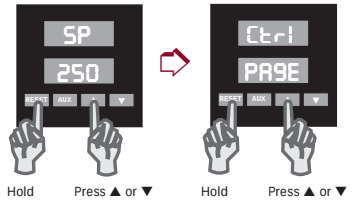
To enter Setup Mode:

Hold down the RESET pushbutton for longer than 3 seconds.



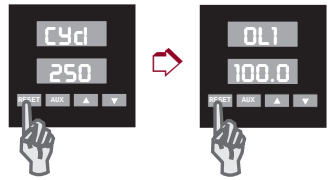
To select a PAGE:

Press and hold the Reset pushbutton, while pressing the ▲ or ▼ Pushbutton.



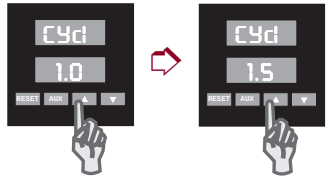
To select a MENU:

After reaching the correct PAGE, press RESET to move through the MENUs.



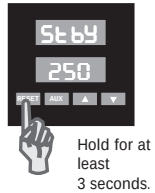
To change a MENU value:

After the MENU is selected and displayed, use the ▲ and ▼ pushbuttons to change the value.



To return to Operating Mode:

Press and hold RESET for more than 3 seconds.



Chromalox® 1382 Heil Quaker Boulevard • Lavergne, Tennessee 37086
Telephone: 615-793-3900 • FAX: 615-793-3563

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Ctrl PAGE

Control Page

MENU	Description	Available Settings
LocK	Security Lock	0 to 9999
SP	Setpoint	Instrument sensor span
AuSP	Auxiliary SP	Instrument sensor span
tunE	Self Tune	OFF = Self-tuning disabled PrUP = Power-up tuning BEGn = Begin tuning
Pb1	Proportional Band 1	0°F to sensor range 0°F displays as onoF to indicate ON/OFF control
Ar1	Automatic Reset 1	0.00 to 99.99 repeats/minute
rAt1	Rate 1	0 to 500 seconds
db1	Dead Band 1	1 to 100°F, 0.01 to 6.25% span for analog inputs
Pb2	Proportional Band 2	0°F to sensor range 0°F displays as onoF to indicate ON/OFF control
Ar2	Automatic Reset 2	0.00 to 99.99 repeats/minute
rAt2	Rate 2	0 to 500 seconds
db2	Dead Band 2	1 to 100°F, 0.01 to 6.25% span for analog inputs
OFSt	Manual Reset	-99.9 to 99.9
FL	Fuzzy Logic	OFF, On
Orn9	Open Sensor Output Command	-100.0 to -0.1 for cooling 0.1 to 100.0 for heating
LooP	Control Loop Protection	OFF, 0.1 to 999.9 minutes
Auto	Auto/Manual Disintegration time	0 to 100 seconds
rrAt	Ramp Rate	OFF or 1 to 9999 degrees/hour
Cont	Controller Type	HEAt = Reverse Acting Single Output CooL = Direct Acting Single Output HtCl = Heat/Cool
CooL	Cooling Medium	Pid2 = Uses PID2 settings for cooling Air = Air Cooling Oil = Oil Cooling H2O = Water Cooling

Control Page (continued)

MENU	Description	Available Settings
rSP	Remote Setpoint Enable	OFF, On
Ent1	Event/Digital Input Function	nonE = Disabled Pid2 = PID2 enable AuSP = Auxiliary SP enable rSP = Remote SP enable Outd = Output disable rS = Ramp/Soak Auto = Auto/Manual AlrS = Alarm Reset
Au	Auxiliary Key Function	nonE = Disabled Pid2 = PID2 enable AuSP = Auxiliary SP enable rSP = Remote SP enable Outd = Output disable Auto = Auto/Manual
Aout	Analog Output Assignment	nonE = Disabled Proc = Process Variable ASP = Active Setpoint Out1 = Control Output 1 Out2 = Control Output 2
rSEn	Ramp/Soak	OFF, On

InPt PAGE

Input Page

MENU	Description	Available Settings
SEnS	Sensor Type	J = J T/C K = K T/C T = T T/C E = E T/C R = R T/C S = S T/C B = B T/C rtd = 100Ω RTD (α = .00385) 4-20 = 4-20mA 0-5 = 0-5 Vdc 1-5 = 1 t-5 Vdc rtdt = 100Ω RTD (0.1° Resolution)
unit	Display Units	nonE = no units °F = Fahrenheit °C = Celsius
CoFF	Calibration Offset	0 to ±100°F
SPLL	Setpoint Low Limit	Instrument Sensor Span
SPUL	Setpoint Upper Limit	Instrument Sensor Span
FiLt	Digital Filter	0 to 60 Seconds
hPrc	High Process Input	Instrument Sensor Span
LPrc	Low Process Input	Instrument Sensor Span
hiA	High Ambient Temp.	Instrument Sensor Span
LoA	Low Ambient Temp.	Instrument Sensor Span

D

Out1 PAGE

Outputs #1 and #2

MENU	Description	Available Settings
Cyc1	Output #1 Cycle Time	0.0 to 60.0 seconds 0.0 = Voltage/Current algorithm
OL1	Output #1 Limit	0.0 to 100.0%
HoFF	Heat Offset	0°F to PB1 setting

Out3 PAGE

These setup PAGES appear only if the controller is equipped with Outputs #3, #4 and #5.

Outputs #3, #4 and #5

MENU	Description	Available Settings
tYP3	Output #3 Type	OFF = Disabled Alr = Alarm Output Ent = Event Output
Alr3	Alarm #3 Type	nonE = Disabled (off) Hi = High Alarm Lo = Low Alarm HiLo = High-Low Alarm PdE = + Dev Alarm -dE = - Dev Alarm dE = +/- Dev Alarm LooP = Control Loop Protection Alarm
rLY3	Alarm #3 Relay Action	ndE = Normally de-energized non-latching nE = Normally energized non-latching ndEL = Normally de-energized latching nEL = Normally energized latching
ALo3	Alarm #3 Low SP	Instrument Sensor Span
AHi3	Alarm #3 High SP	Instrument Sensor Span
db3	Output #3 Dead Band (Alarm Hysteresis)	0 to 100°F
inh3	Alarm #3 Inhibit	OFF On

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