



Introduction

SSI's 9205 controller is capable of controlling %Carbon and Dual Temperature loops for the purpose of quench tank control. This guide describes how to use SSI's Configurator to set up the 9205 controller for %Carbon and Dual Temperature control.

Procedure

1. Make sure that two (2) relay outputs are available. Configure the relay outputs for Alarm 1 and Alarm 2 under Relay Assignments. See Figure 1.

Relay Assignments	
Parameter	Value
Relay 1	loop 2 fwd
Relay 2	loop 1 fwd
Relay 3	loop 1 rev
Relay 4	burn off
Relay 5	alarm 1
Relay 6	alarm 2
Relay 7	event 0
Relay 8	loop 3 fwd

Figure 1 - Configuring two relay outputs for Alarm 1 and Alarm 2 relay assignments

Series 9205: Setup for Carbon / Dual Temperature for Quench Control
Standard Setup Guide

2. Configure Alarms 1 & 2 for deviation alarms to activate the relays when heating or cooling is needed. AL1 would be for cooling, AL2 for heating. See Figure 2.

Alarm Setup		Alarm Setup	
Alarm 1		Alarm 2	
Parameter	Value	Parameter	Value
Setpoint	10	Setpoint	-10
Alarm Type	PV3 dev	Alarm Type	PV3 dev
Hysteresis	3	Hysteresis	3
Smart Alarm	disabled	Smart Alarm	disabled
ON Delay Time (sec)	0	ON Delay Time (sec)	0
0 SP blocks alarm	no	0 SP blocks alarm	no
BO/Impedance inhibits alarm	no	BO/Impedance inhibits alarm	no
Inhibit source	none	Inhibit source	none
Disable on open input	no	Disable on open input	no

Figure 2 - Configuring Alarm 1 and Alarm 2 as deviation alarms with appropriate settings

3. Check the menu Passcode and Alarm to ensure that alarms 1 & 2 are set up for a “normally open” condition. See Figure 3.

Passcode and Alarm	
Parameter	Value
Level 1 Code	1
Level 2 Code	2
Web Level 1 Code	111
Web Level 2 Code	222
Web Change Enable	1
Programmer Alarm	normally open
Alarm 1	normally open
Alarm 2	normally open
Alarm 3	normally open

Figure 3 - Setting up Alarm 1 and Alarm 2 as "normally open "