

3.10 Control Set Up Group

Introduction

The functions listed in this group deal with how the controller will control the process including: Number of Tuning Parameter Sets, Setpoint Source, Tracking, Power-up Recall, Setpoint Limits, Output Direction and Limits, Deadband, and Hysteresis.

Function Prompts

Table 3-9 CONTRL Group (Numeric Code 800) Function Prompts

Prompt		Description	Selection or Range of Setting		Factory Setting
English	Numeric Code		Numeric Code	English	
PIDSET	801	Number of Tuning Parameter Sets	0	ONE	ONE
			1	2KBD (Keyboard)	
			2	2 PR (PV switch)	
			3	2 SP (SP switch)	
SW VAL	802	Automatic Switchover Value		Value in engineering units within PV or SP range limits	0.00
LSP'S	803	Local Setpoint Source	0	ONE	ONE
			1	TWO	
RSPSRC	804	Remote Setpoint Source	0	NONE	NONE
			1	INP2	
SP TRK	805	Setpoint Tracking	0	NONE	NONE
			1	PROC (LSP tracks PV–manual)	
			2	RSP (LSP tracks RSP–auto)	
PWR UP	806	Power Up Controller Mode Recall	0	MAN (Manual/LSP/Failsafe)	ALSP
			1	ALSP (Auto/last LSP)	
			2	ARSP (Auto/last RSP)	
			3	AMSP (Last mode/last SP)	
			4	AMLS (Last mode/last LSP)	
PWROUT	807	TPSC (Three Position Step Control) Output Start-up Mode	0	LAST (Last output)	LAST
			1	FSAF (Failsafe output)	
SP Hi	808	Setpoint High Limit		0 to 100% of the PV range	2400
SP Lo	809	Setpoint Low Limit		0 to 100% of the PV range	0
ACTION	810	Control Output Direction	0	DIR	REV
			1	REV	

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Table 3-9 CONTRL Group (Numeric Code 800) Function Prompts, continued

Prompt		Description	Selection or Range of Setting		Factory Setting
English	Numeric Code		Numeric Code	English	
OUT Hi	811	High Output Limit		-5 to 105% of Output (Current) 0.0 to 100.0% of Output (Relay)	100
OUT Lo	812	Low Output Limit		-5 to 105% of Output (Current) 0.0 to 100.0% of Output (Relay)	0
D BAND	813	Deadband		-5 to 25.0% (Time Duplex) 0.5 to 5.0% (3 position step)	2.0
HYST	814	Hysteresis (Output Relay Only)		0.0 to 100.0% of PV	0.5
FAILSF	815 816	Failsafe Output Value		0 to 100% <i>For 3 Position Step</i> 0 (Closed position) 1 100 (Open position)	0.0
FSMODE	817	Failsafe Mode	0 1	No L (Mode does not clear once unit goes to FS Output) LACH (Unit goes to manual and FS output)	NO_L
PBorGN	818	Proportional Band Units	0 1	GAIN PB	GAIN
MINRPM	819	Reset Units	0 1	MIN RPM	MIN