

Honeywell 3300 Control

Equipment: Honeywell 3300 with Outer Shell Alarm
Additional Reference: Honeywell 3300 Manual
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Date Issued: 3-6-2003
Revised: 10-15-2003
Revision #: 1

Astec Service Department

HONEYWELL 3300 STACK TEMP CONTROL WITH OUTER SHELL ALARM

GROUP	FUNCTION	VALUE	COMMENT OR ALTERNATE VALUE
TUNING	PROP BD	25 - 35	
	RATE MIN	1	
	CYC SEC	45	
	SECURITY	0	
	LOCKOUT	NONE	
SP RAMP	SP RAMP	DISABLE	
	SP RATE	DISABLE	
ACCUTUNE	FUZZY	DISABLE	
	ACCUTUNE	DISABLE	
ALGORITHM	CONT ALG	PIDA	or 3 - P step
	TIMER	DISABLE	
	IN ALG 1	NONE	
OUT ALG	OUT ALG	TIME	
	RLYSTATE	1 OFF 2 OFF	
INPUT 1	IN 1 TYPE	J TC L	or 4 – 20ma
	XMITTER 1	LINEAR	
	IN 1 HI	770° F (410° C)	1000° F (538° C)
	IN 1 LO	20° F (-6° C)	0° F (18° C)
	RATIO 1	1	
	BIAS IN 1	0	
	FILTER 1	1	
	BURNOUT 1	UP	
INPUT 2	IN 2 TYPE	J TC L	
	XMITTER 2	LINEAR	
	IN 2 HI	770° F (410° C)	
	IN 2 LO	20° F (-6° C)	
	RATIO 2	1	
	BIAS IN 2	0	
	FILTER IN 2	1	

GROUP	FUNCTION	VALUE	COMMENT OR ALTERNATE VALUE
	BURNOUT 2	UP	
CONTROL	PV SOURCE	INP 1	
	PID SETS	1 ONLY	
	LSP'S	1 ONLY	
	RSP SRC	NONE	
	SP TRACK	NONE	
	PWR MODE	MANUAL	
	SP HI LIM	770° F (410°C)	
	SP LOW LIM	20° F (-6°C)	
	ACTION	REV or DIR	Changes relay action
	OUT RATE	DISABLE	
	OUTHILIM	100	
	OUTLOLIM	0	
	I HI LIM	100	
	I LO LIM	0	
	FAILMODE	NOLAT	
	FAILSAFE	0	
	MAN OUT	0	
	AUTO OUT	0	
	PB OR GAIN	PB	
	MIN OR RPM	RPM	
COM	COMSTATE	DISABLE	
ALARMS	A1S1 VAL	350 F (177°C)	= Input 1 (Stack temp)
	A2S1 VAL	221 F (105°C)	= Input 2 (Outer shell temp) ①
	A1S1TYPE	INP 1	
	A1S2TYPE	NONE	
	A2S1TYPE	INP 2	
	A2S2TYPE	NONE	
	A1S1 H L	HI	
	A2S1 H L	HI	
	AL HYST	1	
	ALM OUT 1	NO LAT	
	BLOCK	DISABLE	
DISPLAY	DECIMAL	XXXX	No decimal point
	TEMPUNIT	DEG F	or DEG C
	PWR FREQ	60 hz	or 50 hz
	RATIO 2	DISABLE	
	LANGUAGE	ENGLISH	or other