

Honeywell Set Up - BG

Equipment:	Most Barber-Greene Plants	Date Issued:	3-6-03
Additional Reference:	Honeywell 3000 or 3300 Manual	Revised:	no
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Astec Service Department

HONEYWELL SET-UP, NEW “GREY FACED” MODELS ... FOR BARBER-GREEN PLANTS.

	FUNCTION	VALUE
TUNING	PROPORTIONAL BAND	15-75 Lower = faster reacting, Higher = slower
	RATE MIN	0.00
	RESET RPM	1.00
	SECURITY	0
	LOCKOUT	NONE
	AUTO/MAN	ENABLE
	SP SELECT	ENABLE
	RUN HOLD	DISABLE
SP RAMP	SP RAMP	DISABLE
	SP RATE	DISABLE
	SP PROG	DISABLE
ALGORITHM	CONTROL ALGORITHM	PIDA (Switch to 3-PSTEP after motor is calibrated if desired)
	INPUT 2	DISABLE
	OUT ALG	POSITION
	RELAY TYPE	MECHANICAL
INPUT	DECIMAL	XXXX
	UNITS	DEG. F.
	IN 1 TYPE	J-L
	IN 1 HI	770
	IN 1 LOW	20
	TRANSMITTER	LINEAR
	BIAS IN 1	0 (Use to correct temp)
	FILTER	0 (Use to smooth reading)
	BURNOUT	UP
	POWER FREQUENCY	60
	LANGUAGE	ENGLISH

CONTROL	PID SETS	1 ONLY
	SP SOURCE	1 LOCAL
	SP TRACK	NONE
	POWER UP	MANUAL
CONTROL	POWER OUT	LAST
	SP HIGH LIMIT	Use to limit how high the set point can be set.
	SP LO LIMIT	20
	ACTION	REVERSE (change to DIRECT if control reacts backwards)
	OUTRATE	DISABLE
	OUT HI	100
	OUT LOW	0
	DROP OFF	0
	DEADBAND	1.0 TO 4.0 (This value is a % of input)
	FAILSAFE	0 PCT
	MAN OUT	0
	AUTO OUT	0
	PB OR GAIN	PBPCT
	MIN OR RPM	RPM
CAL POSITION	MOTOR TIME	EA 57 = 40, EA 71 = 20
	DO AUTO	ZERO VAL ... Burner closed, usually 200 to 400. SPAN VAL ... Burner full open, usually 2300 to 2800. *

* Note: On B-G plants; In order to calibrate the burner position without the burner running.

- Pull the BT2 relay
- Jumper 601 to 780 (note: 601 is hot unless the breaker is turned off at the power distribution center).

Have “console” Auto/Manual switch in “Auto”.