



Introduction

Depending on the input settings, the Shinko Controller can be set up for two (2) possible configurations. Refer to charts [on Page 2](#) for the input settings to designate the controller.

Instructions

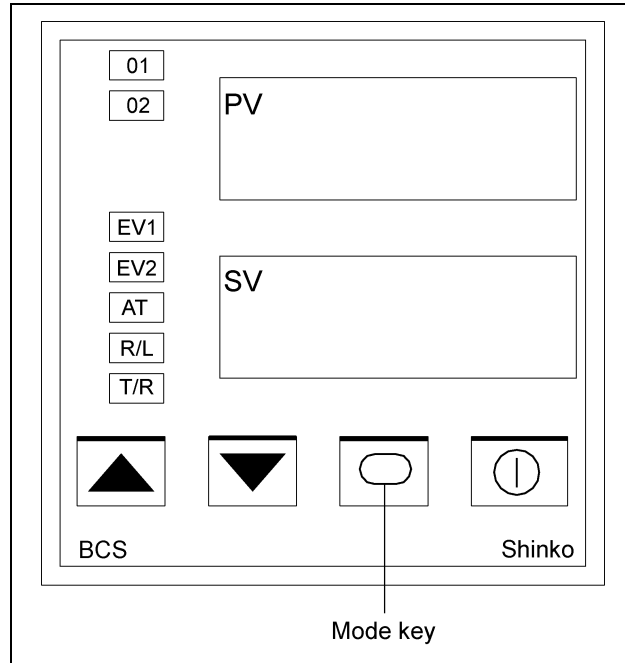


Figure 1

Programming Sub Setting Mode

1. Power-up unit.
2. Press UP ARROW and simultaneously press the MODE KEY (Basic Setting Mode).
3. Use arrow keys to change the setting values.
4. Set setting values for the controller type according to the programming table.
5. Press MODE KEY to enter setting and step to the next function.
6. Repeat [Step 3](#) through [Step 5](#) until all modes properly set.

Programming Initial Setting Mode

7. Press DOWN ARROW and simultaneously press the MODE KEY for approximately 3 seconds or until 4E4 is displayed (Initial Setting Mode).
8. Repeat [Step 3](#) through [Step 5](#) until all modes are set.

NOTE: To reset controller back to factory defaults depress all four (4) buttons at the same time for 3 seconds. When cLr is displayed, press the up arrow to change the no to 4E4 .



Shinko Controller Setup Instructions

Settings Chart

Part #	Description				
415-3210-2	Plenum Controller Assembly - Barber Coleman		X		
415-3211-0	Moisture Controller Assembly - Barber Coleman			X	
415-3741-6	Moisture Controller Assembly - Digital				X
Sub Setting Mode	Mode	Display	Setting	Setting	Setting
	AT/AUTO RESET	AR	----	----	----
	OUT1 PROP. BAND	P	0	25	25
	INTEGRAL TIME	I		999	200
	DERIVATIVE TIME	d		0	50
	ARW	AR \bar{u}			50
	OUT1 PROP. CYCLE	c		10	30
	OUT1 HIGH-LIMIT	aLH		100	100
	OUT1 LOW-LIMIT	aLL		0	0
	OUT1 RATE	orAR		0	0
	OUT1 HYSTERESIS	HY \bar{h}	1.0		
	DIRECT/REVERSE CONTROL	con \bar{r}	HEAR	HEAR	cool
	LOOP BREAK ALARM TIME	LP \bar{r}	0	0	0
	LOOP BREAK ALARM SPAN	LP \bar{H}	0	0	0
Initial Setting Mode	INPUT TYPE	4En \bar{h}	PF.F	PF.F	PF.C
	SV HIGH-LIMIT	4H	250	200	149
	SV LOW-LIMIT	4L	0	0	-18
	EVENT OUTPUT EV1 ALLOCATION	EHo $\bar{1}$	000	001	001
	EV1 ALARM ENABLED/DISABLED	A $\bar{1}$ EA		4E \bar{h}	4E \bar{h}
	EV1 ALARM VALUE	A $\bar{1}$		1	1
	EV1 HYSTERESIS	A $\bar{1}$ H \bar{Y}		1.0	1.0
	EV1 DELAY TIME	A $\bar{1}$ d \bar{Y}		0	0
	EV1 ENERGIZED	A $\bar{1}$ L \bar{n}		nonL	nonL
	LOOP BREAK ALARM TIME	LP \bar{r}	0	0	0
	LOOP BREAK ALARM SPAN	LP \bar{H}	0	0	0
	SV1 STARTING VALUE	4	180	105	41

Terminal Chart

	Barber Coleman	Shinko JCS	Shinko BCS
Power	10	1	1
	5	2	2
Alarm	8	3	3
	9	4	4
Output	6	6	7
	7	7	8
RTD Sensor	1	8	10
	2	9	11
	3	10	12