



## 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

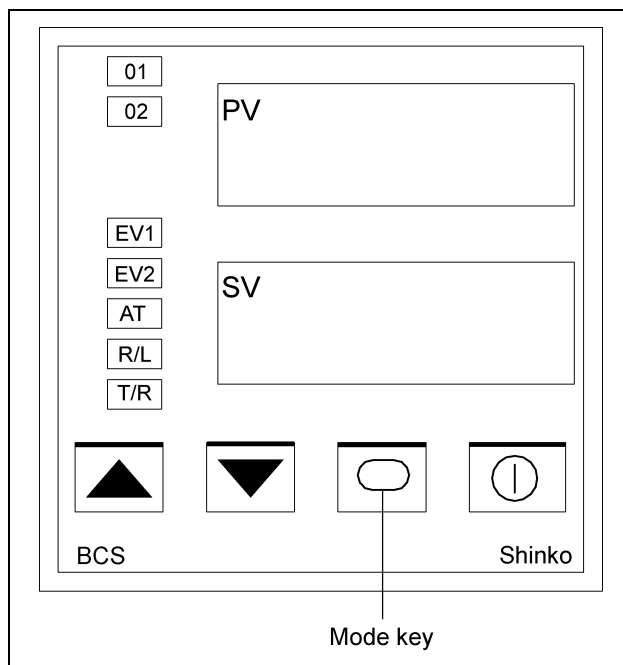


Figure 1

### 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  $\text{LEN}$  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  $\text{CLR}$  is displayed, press the up arrow to change the  $\text{PQ}$  to  $\text{HE}$ .



# 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	<i>AR</i>	----	----	----	
	OUT1 PROP. BAND	<i>P</i>	0	25	25	
	INTEGRAL TIME	<i>I</i>		999	200	
	DERIVATIVE TIME	<i>d</i>		0	50	
	ARW	<i>ARW</i>			50	
	OUT1 PROP. CYCLE	<i>C</i>		10	30	
	OUT1 HIGH-LIMIT	<i>oLH</i>		100	100	
	OUT1 LOW-LIMIT	<i>oLL</i>		0	0	
	OUT1 RATE	<i>orAR</i>		0	0	
	OUT1 HYSTERESIS	<i>HYH</i>	1.0			
	DIRECT/REVERSE CONTROL	<i>conF</i>	HEAT	HEAT	cool	
	LOOP BREAK ALARM TIME	<i>LP_F</i>	0	0	0	
	LOOP BREAK ALARM SPAN	<i>LP_H</i>	0	0	0	
Initial Setting Mode	INPUT TYPE	<i>EnH</i>	PF.F	PF.F	PF.C	
	SV HIGH-LIMIT	<i>HH</i>	250	200	149	
	SV LOW-LIMIT	<i>HL</i>	0	0	-18	
	EVENT OUTPUT EV1 ALLOCATION	<i>EHo1</i>	000	001	001	
	EV1 ALARM ENABLED/DISABLED	<i>AEAR</i>		YEH	YEH	
	EV1 ALARM VALUE	<i>AI</i>		1	1	
	EV1 HYSTERESIS	<i>A1HY</i>		1.0	1.0	
	EV1 DELAY TIME	<i>A1dY</i>		0	0	
	EV1 ENERGIZED	<i>A1Ln</i>		nonL	nonL	
	LOOP BREAK ALARM TIME	<i>LP_F</i>	0	0	0	
	LOOP BREAK ALARM SPAN	<i>LP_H</i>	0	0	0	
	SV1 STARTING VALUE	<i>S</i>	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