



Introduction

Depending on the input settings, the Shinko Controller (056-1954-9) can be set up for three (3) possible configurations. Refer to charts [on Page 2](#) for the input settings to designate the controller.

Instructions

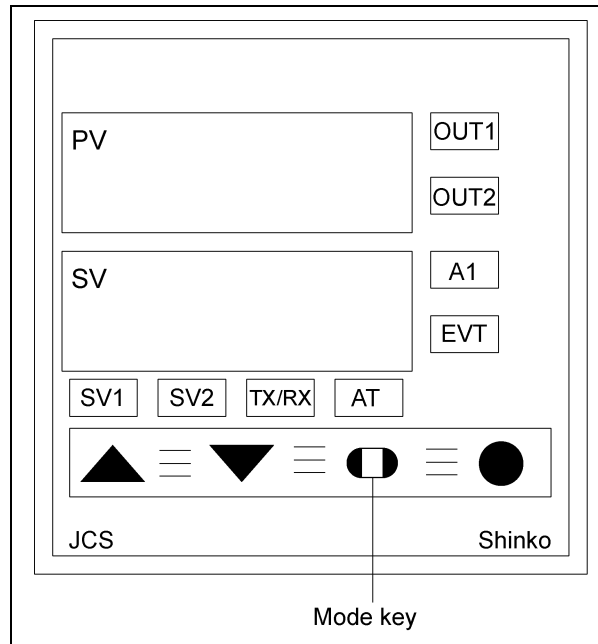


Figure 1

Programming Sub Setting Mode

1. Power-up the 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 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 “PROP BAND” through “PROP CYCLE” are properly set.

Programming Auxiliary Function Mode 2

7. Simultaneously press DOWN ARROW and the MODE KEY for approximately 3 second or until “Loct” is displayed (Auxiliary Setting Mode).
8. Repeat [Step 3](#) through [Step 5](#) until all modes “VALUE LOC” through “OUTPUT HYST” are set.
NOTE: Basic setting modes cannot be changed when the value lock is set as 1, 2 or 3.
9. Change lock value to “LOCK 2” when finished programming.



Shinko Controller Setup (056-1954-9)

Programming Auxiliary Function Mode 1

10. Press DOWN ARROW and simultaneously press the MODE KEY for approximately 3 second or until $4En4$ is displayed (Auxiliary Setting Mode).
11. Repeat [Step 3](#) through [Step 5 on Page 1](#) until all modes “VALUE LOCK” through “OUTPUT HYST” are set. **NOTE:** Basic setting modes cannot be changed when the value lock is set as 1, 2 or 3.
12. Finally, write part number and description on unit.

Settings Chart

Part #	Description				
415-3210-2	Plenum Control - Barber Coleman	X			
415-3211-0	Moisture Control Assembly - Barber Coleman		X		
415-3741-6	Moisture Controller - Digital			X	
SUB SETTING MODE	Mode	Display	Setting	Setting	Setting
	AT/AUTO RESET	AF	----	----	----
	OUT1 PROP. BAND	P	25	25	0
	INTEGRAL TIME	I	10	999	200
	DERIVATIVE TIME	d	0	0	50
	ARW	Π	0	50	50
	OUT1 PROP. CYCLE	c	10	10	30
A1	AI		01	01	N/A UNTIL
AUXILIARY FUNCTION MODE	SET LOCK VALUE	$Lock$	----	----	----
	SV HIGH-LIMIT	$4H$	250	200	149
	SV LOW-LIMIT	$4L$	0	0	-18
	SENSOR CORRECTION	$4o$	0	0	0
AUXILIARY FUNCTION MODE	INPUT TYPE	$4En4$	$PF.F$	$PF.F$	$PF.C$
	PV FILTER TIME	FLT	00	00	00
	OUT1 HIGH-LIMIT	oLH	100	100	100
	OUT1 LOW-LIMIT	oLL	0	0	0
	A1 ACTION	$ALIF$	----	H	H
	A1 ENERGIZED	$AILn$		$nonL$	$nonL$
	A1 HYSTERESIS	$A1HY$		10	10
	A1 HYSTERESIS	$A1dy$		0	0
	DIRECT/REVERSE CONTROL	$cont$	$HEAF$	$HEAF$	$cool$
	AT BIAS	AF_b			
OUT/OFF KEY	$nAnU$	oFF	oFF	oFF	

IS SET

Terminal Chart

	Old Terminal	New Terminal
Power	10	1
	5	2
Alarm	8	3
	9	4
Output	6	6
	7	7
RTD Sensor	1	8
	2	9
	3	10