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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

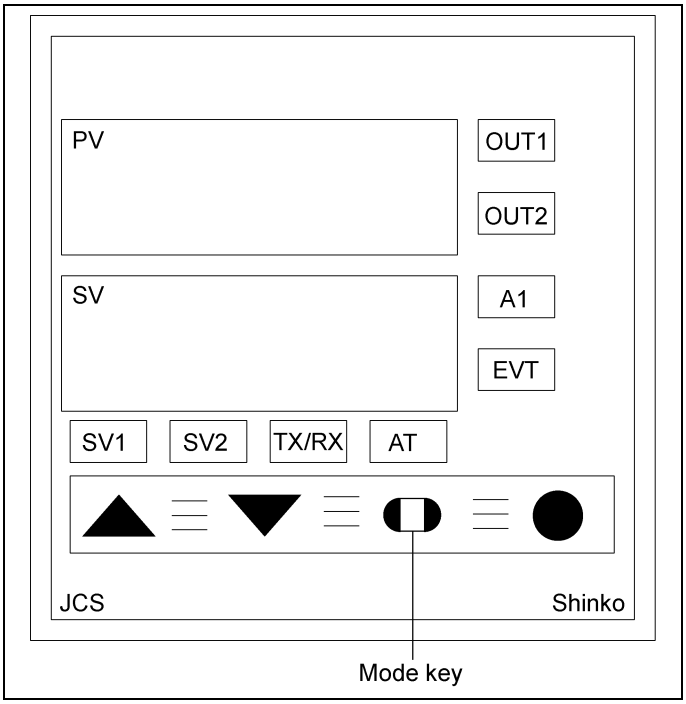

Figure 1

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 1

7. Press DOWN ARROW and simultaneously press the UP ARROW for approximately 3 second or until 4Em4 is displayed (Auxiliary Setting Mode).
8. Repeat *Step 3* through *Step 5* 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.*

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Programming Auxiliary Function Mode 2

9. Simultaneously press DOWN ARROW and the MODE KEY for approximately 3 second or until “Loct” is displayed (Auxiliary Setting Mode).
10. Repeat *Step 3* through *Step 5 on Page 1* 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.*
11. Change lock value to “LOCK 2” when finished programming.
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	
	Mode	**Display**	**Setting**	**Setting**	**Setting**	
SUB SETTING MODE	AT/AUTO RESET	AT	----	----	----	
	OUT1 PROP. BAND	P	25	25	0	
	INTEGRAL TIME	I	10	999	200	
	DERIVATIVE TIME	d	0	0	50	
	ARW	AR	0	50	50	
	OUT1 PROP. CYCLE	c	10	10	30	
	A1	A1		01	01	N/A UNTIL
AUXILIARY FUNCTION MODE 1	SET LOCK VALUE	Loct	----	----	----	
	SV HIGH-LIMIT	SH	250	200	149	
	SV LOW-LIMIT	SL	0	0	-18	
	SENSOR CORRECTION	Sb	0	0	0	
AUXILIARY FUNCTION MODE 2	INPUT TYPE	SEnS	PT.F	PT.F	PT.C	
	PV FILTER TIME	FILT	00	00	00	
	OUT1 HIGH-LIMIT	oLH	100	100	100	
	OUT1 LOW-LIMIT	oLL	0	0	0	
	A1 ACTION	AL1F	----	H	H	IS SET
	A1 ENERGIZED	A1LN		nonL	nonL	
	A1 HYSTERESIS	A1HY		10	10	
	A1 HYSTERESIS	A1dY		0	0	
	DIRECT/REVERSE CONTROL	cont	HEAT	HEAT	cool	
	AT BIAS	AT_b				
	OUT/OFF KEY	MAnU	oFF	oFF	oFF	

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