Product Information

Subject Programming Timer
Use With Coin Slide Control

Coin Slide Control

Power-Up Mode

When power is applied to the dryer, the control will enter the Ready Mode. If the control was powered down during a running a cycle, the *IN USE* LED will flash once and the control will enter Start Mode. If the dry time dipswitch settings have not been changed from factory default, the *IN USE* LED will flash once.

Ready Mode

In Ready Mode, the control waits for the vend to be satisfied before entering Start Mode.

Start Mode

In Start Mode, the vend has been satisfied, but the Start button has not been pressed. The *IN USE* LED will be lit. The timer will not count down until the Start button is pressed.

Run Mode

In Run Mode, the control is running a cycle. The *IN USE* LED is lit.

Door Open Mode

In Door Open Mode, the control turns off the heater and motor when the door is opened during a run cycle. The timer will continue to count down time and the *IN USE* LED is lit.

End of Cycle Mode

In End of Cycle Mode, a cycle is complete and the *IN USE* LED is off. The control remains in this mode until the door is opened or additional vend has been satisfied.

Topoffs

Any time the control receives a coin slide pulse during a cycle it will add the programmed dry time to the time currently remaining in the cycle. The *IN USE* LED will flash briefly to indicate the coin input. The maximum cycle time is 99 minutes. The control will not add time beyond 99 minutes. The cool down time will not change. If the control receives a coin slide pulse during cool down it will exit cool down and start heating with the cycle time equal to the programmed time.

Temperature Selector Switch

For five minutes after the control is powered up, there is a diagnostic feature that allows the temperature selector switches to be tested. When the temperature selector is changed, the new setting is displayed by flashing the *IN USE* LED as follows:

High/Normal: 4 flashes

Medium/PP: 3 flashes

Low/Delicate: 2 flashes

No Heat: 1 flash

Error Display Mode

The control enters Error Display Mode to display thermistor errors. The heater is turned off, the *IN USE* LED flashes to indicate the error (refer to paragraphs below), and the timer will continue to count down time. The control remains in Error Display Mode until the control senses the thermistor has returned to an acceptable heating range, the cycle ends or machine is powered down.

Open Thermistor

If the control senses a temperature less than 0°F when the heat has been on for at least three minutes it will set an open thermistor error. The control will flash the *IN USE* LED twice separated by a one and a half second pause. This sequence is repeated as long as the Open Thermistor error is sensed.

Shorted Thermistor

If the control senses a temperature greater than 210 ± 4°F during an active cycle it will set a Shorted Thermistor error. The control will flash the *IN USE* LED three times separated by a one and a half second pause. This sequence is repeated as long as the Shorted Thermistor error is sensed.

Setting Dry Time Dipswitches

To change the dry time on the dryer, combinations of dipswitches can be set on the control.

There are eight dipswitches on the dryer control. The first six switches are used to program the amount of additional heat time given for each coin pulse. The additional drying time is added to the factory default minimum heat time of one minute. A value of 1 to 63 minutes of additional drying time is available for each coin slide pulse.

The last two switches are used to program the amount of additional cool down time. The additional cool down time is added to the factory default minimum cool down time of 3 minutes. A value of 1 to 3 additional minutes is available.

The control is shipped from the factory programmed with 1 minute of minimum heat time, preset with 41 additional minutes of drying time (dipswitches 1, 4 and 6 in ON position) and 3 minutes of minimum cool down time for a total time of 45 minutes for a coin pulse. Refer to *Table 1* for dipswitch settings.

The control reads the dipswitch settings at power-up. The control must be powered down to change the dipswitch settings.

To change the heat or cool down time for a coin pulse, the desired dry time dipswitches must be set to ON position. All other dipswitches must be in OFF position.

Dipswitch Settings

	Heat Switch Number					
Heat Time Per Coin Pulse (in minutes)	**1**	**2**	**3**	**4**	**5**	**6**
1	OFF	OFF	OFF	OFF	OFF	OFF
2	**ON**	OFF	OFF	OFF	OFF	OFF
3	OFF	**ON**	OFF	OFF	OFF	OFF
4	**ON**	**ON**	OFF	OFF	OFF	OFF
5	OFF	OFF	**ON**	OFF	OFF	OFF
6	**ON**	OFF	**ON**	OFF	OFF	OFF
7	OFF	**ON**	**ON**	OFF	OFF	OFF
8	**ON**	**ON**	**ON**	OFF	OFF	OFF
9	OFF	OFF	OFF	**ON**	OFF	OFF
10	**ON**	OFF	OFF	**ON**	OFF	OFF
11	OFF	**ON**	OFF	**ON**	OFF	OFF
12	**ON**	**ON**	OFF	**ON**	OFF	OFF
13	OFF	OFF	**ON**	**ON**	OFF	OFF
14	**ON**	OFF	**ON**	**ON**	OFF	OFF
15	OFF	**ON**	**ON**	**ON**	OFF	OFF
16	**ON**	**ON**	**ON**	**ON**	OFF	OFF
17	OFF	OFF	OFF	OFF	**ON**	OFF
18	**ON**	OFF	OFF	OFF	**ON**	OFF
19	OFF	**ON**	OFF	OFF	**ON**	OFF
20	**ON**	**ON**	OFF	OFF	**ON**	OFF
21	OFF	OFF	**ON**	OFF	**ON**	OFF
22	**ON**	OFF	**ON**	OFF	**ON**	OFF
23	OFF	**ON**	**ON**	OFF	**ON**	OFF
24	**ON**	**ON**	**ON**	OFF	**ON**	OFF
25	OFF	OFF	OFF	**ON**	**ON**	OFF
26	**ON**	OFF	OFF	**ON**	**ON**	OFF
27	OFF	**ON**	OFF	**ON**	**ON**	OFF
28	**ON**	**ON**	OFF	**ON**	**ON**	OFF
29	OFF	OFF	**ON**	**ON**	**ON**	OFF
30	**ON**	OFF	**ON**	**ON**	**ON**	OFF
31	OFF	**ON**	**ON**	**ON**	**ON**	OFF
32	**ON**	**ON**	**ON**	**ON**	**ON**	OFF
33	OFF	OFF	OFF	OFF	OFF	**ON**
34	**ON**	OFF	OFF	OFF	OFF	**ON**
35	OFF	**ON**	OFF	OFF	OFF	**ON**
36	**ON**	**ON**	OFF	OFF	OFF	**ON**
37	OFF	OFF	**ON**	OFF	OFF	**ON**
38	**ON**	OFF	**ON**	OFF	OFF	**ON**

Table 1 (continued)

Table 1 (continued)

	Heat Switch Number					
Heat Time Per Coin Pulse (in minutes)	**1**	**2**	**3**	**4**	**5**	**6**
39	OFF	**ON**	**ON**	OFF	OFF	**ON**
40	**ON**	**ON**	**ON**	OFF	OFF	**ON**
41	OFF	OFF	OFF	**ON**	OFF	**ON**
42 (preset at factory)	**ON**	OFF	OFF	**ON**	OFF	**ON**
43	OFF	**ON**	OFF	**ON**	OFF	**ON**
44	**ON**	**ON**	OFF	**ON**	OFF	**ON**
45	OFF	OFF	**ON**	**ON**	OFF	**ON**
46	**ON**	OFF	**ON**	**ON**	OFF	**ON**
47	OFF	**ON**	**ON**	**ON**	OFF	**ON**
48	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
49	OFF	OFF	OFF	OFF	**ON**	**ON**
50	**ON**	OFF	OFF	OFF	**ON**	**ON**
51	OFF	**ON**	OFF	OFF	**ON**	**ON**
52	**ON**	**ON**	OFF	OFF	**ON**	**ON**
53	OFF	OFF	**ON**	OFF	**ON**	**ON**
54	**ON**	OFF	**ON**	OFF	**ON**	**ON**
55	OFF	**ON**	**ON**	OFF	**ON**	**ON**
56	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
57	OFF	OFF	OFF	**ON**	**ON**	**ON**
58	**ON**	OFF	OFF	**ON**	**ON**	**ON**
59	OFF	**ON**	OFF	**ON**	**ON**	**ON**
60	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
61	OFF	OFF	**ON**	**ON**	**ON**	**ON**
62	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
63	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
64	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**

Cool Down Per Cycle (in minutes)	**Cool Down Switch Number**	
	7	**8**
3 (preset at factory)	OFF	OFF
4	**ON**	OFF
5	OFF	**ON**
6	**ON**	**ON**

Table 1

Total Cycle Time = Heat Time + Cool Down Time