

# ST-164 PM Control Test Mode

## Test Mode Quick Reference Guide (L1, H1, &H2 Series)



### Summary

**The information listed below is provided as general guidelines to assist in troubleshooting. It is ultimately the owner's/ distributor's/ technician's responsibility to properly troubleshoot the piece of equipment down to the failed component(s). Girbau North America's will not be held liable for any part replacement and/or labor associated with the misdiagnosed troubleshooting of the equipment.**

Access to TEST Program:

1. Turn off power to machine.
2. Slide set-up switch to the left (located on the bottom left corner of microprocessor next to mounting screw). Insert program key and turn to program.
3. Turn on power to machine and display will show tESt.
4. Press Enter / Start key to move to next step.
5. Turn each function on by pressing the key indicated or action indicated.
6. Clear/Stop key leaves step.

Steps in this guide might vary due to the model

STEP	Tested Component	Key/Action	Display Left	Display Right	LED State	LED No.
	<b>Test</b>		tESt			
1.	Display Segments and Points	Visual	88.8.8.	8.8.	ON	
	Micro Power Supply	Visual			ON	H42
	Micro Power Supply	Visual			ON	H45
	Motor klixon	Visual			ON	H1
	Heating Safety if Used	Visual			ON	H2
2. Press Enter	Emergency Stop	Lock/ Unlock Stop	ENER	1 / 0	On/Off	H3
3. Press Enter	Key Pad Function	0-1-2-3-4-5 6-7-8-9-Auto-Man-Clear	0-1-2-3-4-5- 6-7-8-9-Auto- Man-Stop			
		Stop-Man Aut	Stop-Man Aut			
4. Press Enter	Door Hinge Micro switch	Open/Close Door	door	0 / 1	OFF/ON	H5
5. Press Enter	Balance Switch	Normal/ Move Tub	bal	0 / 1	ON/OFF	H6
6. Press Enter	Door Locking	Automatic	Pre-Star	0	ON/ OFF	H27/ H4
			Push/ Stop	1	ON	H4
7. Press Enter	Clutch (H1)	Press key 1 To Activate	CLU	0 1	Off On	H22
8. Press Enter	Water Inlet A1-Cold	Press key 1 and hold	A-- A1	0 1	OFF ON	H7 H7
	Water Inlet A2-Hot	Press key 2 and hold	A-- A2	0 1	OFF ON	H8 H8

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9. Press Enter	Supply Flush Valve 1	Press and hold key 1	d-- d1	0 1	OFF ON	H10 H10
	Supply Flush Valve 2	Press and hold key 2	d-- d2	0 1	OFF ON	H11 H11
	Supply Flush Valve 3	Press and hold key 3	d-- d3	0 1	OFF ON	H12 H12
	Supply Flush Valve 4	Press and hold key 4	d-- d4	0 1	OFF ON	H13 H13
	Dosing Supply Signal 5	Press and hold key 5	d-- d5	0 1	OFF ON	H14 H14
10. Press Enter	Heating Step	Press key 5	Ht	0 1	Off ON	H23 H23
	Temperature Reading	Press key 6 to see the temperature	F**			
11. Press Enter	Right Rotation	Press and hold key 1	rot rotr	0 1	OFF ON	H17 H17
	Left Rotation	Press and hold key 2	rot rotL	0 1	OFF ON	H18 H18
11. Press Enter	Drain	Press and hold key 1	E- E1-	0 1	OFF ON	H15 H15
L10 & H10 Series Only	Low Extract	Press and hold key 2	E- E2-	0 1	OFF ON	H19 H19
L10 & H10 Series Only	Medium Extract	Press and hold key 3	E- E3-	0 1	OFF ON	H21 H21
L10 & H10 Series Only	High Extract	Press and hold key 4	E- E4-	0 1	OFF ON	H20 H20
12. Press Enter	No Water Level		0L0.0			
	High Water Level	Press key 6 Washer fills to high level. Press key 0 and washer will drain.	6L--			
13	Inverter Test (H2 only)	Select speeds 0-6 by pressing + to increase or – to decrease	SPd*			
14. Press Enter	End Test	Visual				

### Notes:

- Due to safety precautions certain steps cannot be bypassed.
- If after the door opening step (Hinge micro switch step 4) is checked and the door is not shut and latched step 6 (Door Lock) will not function.
- It will not be possible to repeat an operation which involves a motor action if less than 2 seconds has elapsed.
- To operate an extract speed that has been passed, a new test program would have to be run. (H10 Series)
- To repeat a high-speed extract if less than twenty seconds has elapsed. (H10 Series)
- Heating system test only has two-second duration and can be repeated only three times.
- When testing high-speed mode in H10 series units the control activates the E3 speed for 10 seconds prior to the E4 speed.