



Test program "MAGIC" model



Magic De Luxe Redesign



Magic Comfort Plus Red.



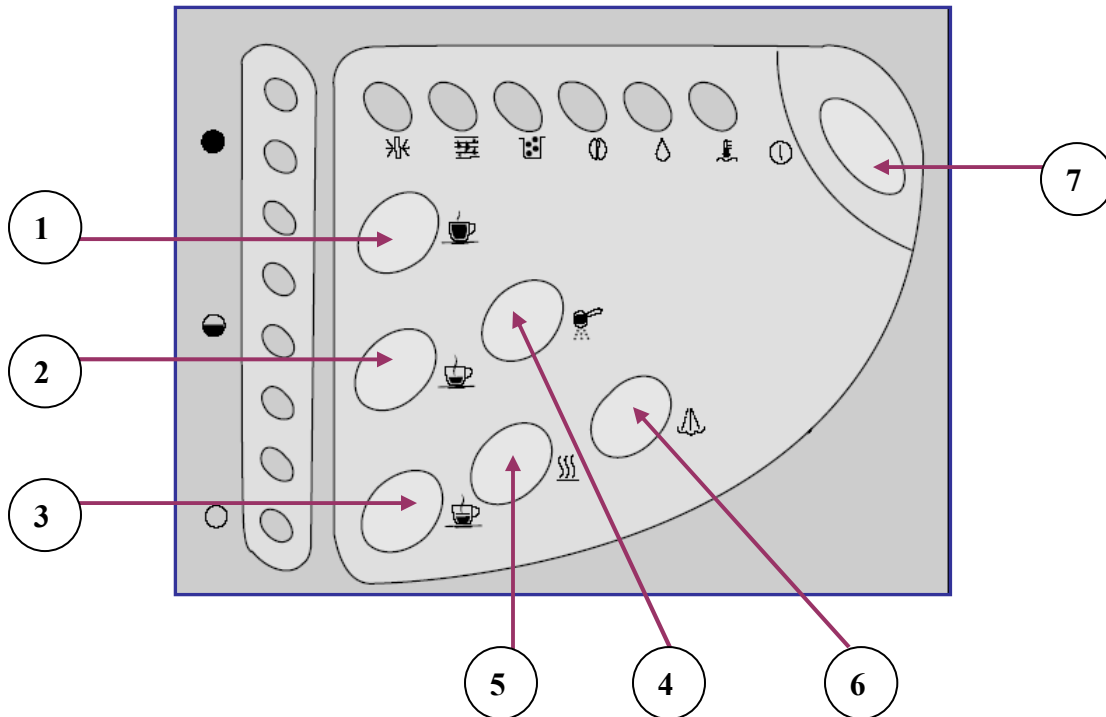
Magic De Luxe

Issued By: P. Dimo

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In test program it is very easy to locate the broken parts and the time to adjust it becomes lesser.

To enter in test program, the machine has to be turned “OFF” or in “Energy Saving” mode, and with the hot water, steam knob closed.



For entering in test program push the following key's.

- **When machine is “OFF”**
Push at the same time and hold key's 4 and 6, turn “ON” the machine by the main switch.
Let go of the keys. Now the machine is in test program.
- **When machine is in “Energy saving” mode.**
Push at the same time and hold key's 4 and 6, then push the key nr. 7.
Let go of the keys. Now the machine is in test program.

Rotation counterclockwise of the gear motor **Key 1**

Check the right rotation counterclockwise of the gear motor by checking also the end position.

When the gear motor is in work position, the key # 1 will light up. Check also that the gear motor isn't noisy.

Rotation clockwise of the gear motor

Key 2

Check the right rotation clockwise of the gear motor by checking also the end position.

When the gear motor is in home position, the key # 2 will light up. Check also that the gear motor isn't noisy.

Function of the coffee grinder

Key 3

Check the right function of the coffee grinder and that it is rotating clockwise. Check the noise of the coffee grinder.

When the doser is full, the coffee grinder stops, and the key # 3 will light up. (?)

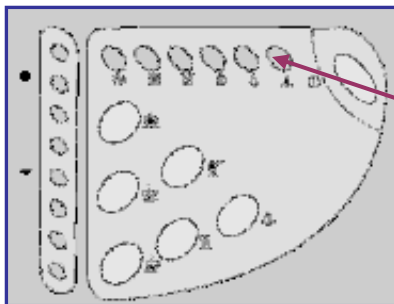
Opening of the doser

Key 5

Check the right opening of the doser. Check that the doser isn't noisy.

Function of the pump

Key 4



Warm up LED

Open the steam knob, press key 4. Check the right function of the pump. Confirm the noise of the pump, check that the impulses of the flow meter are displayed on warm up LED

Close the steam knob. Press and hold key 4, thus pressurizing the water line. Look carefully inside the machine to make sure that there are no leaks and that the impulses from flow meter stop.

Function of the LED's

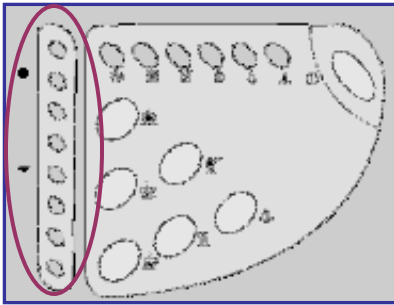
Key 6



With the steam knob closed, press key 6 (Steam button). Check that the all LED's light up.

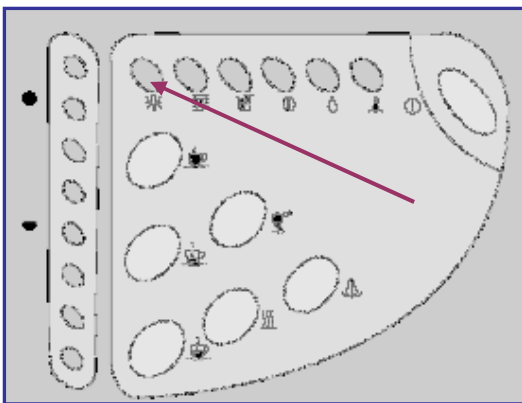
Function of the LED's

Key 6



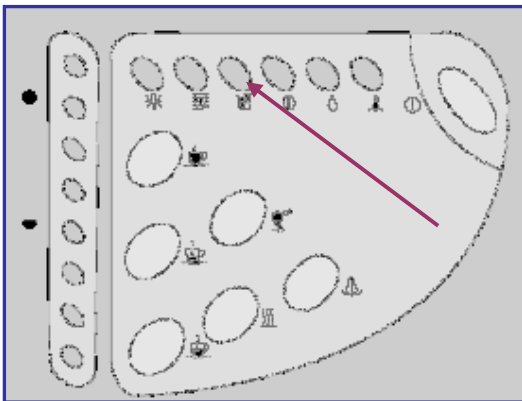
With the steam knob open, press key 6. Check that all the vertical LED's light up.

Check all Micro switches

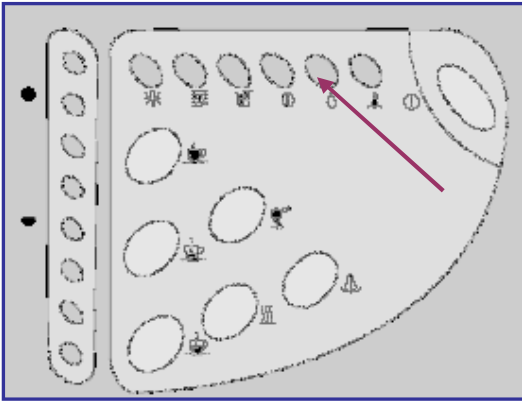


Remove the brew group. Check that the brew group LED goes **OFF**. Activate (Trigger) the brew group micro switch. Check that the brew group LED goes **ON**.

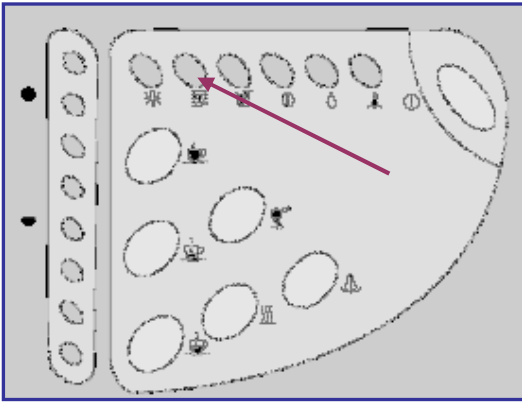
Note: The brew group micro switch can be also activated by placing the brew group back into machine.



Remove the dump box. Check that the LED with dump box Icon goes **OFF**. Place the dump box back into machine. Check that the dump box LED goes **ON**.



Remove the water tank. Check that the LED with the water drop mark goes **OFF**. Place the water tank back onto machine. Check that the water drop mark LED goes **ON**.

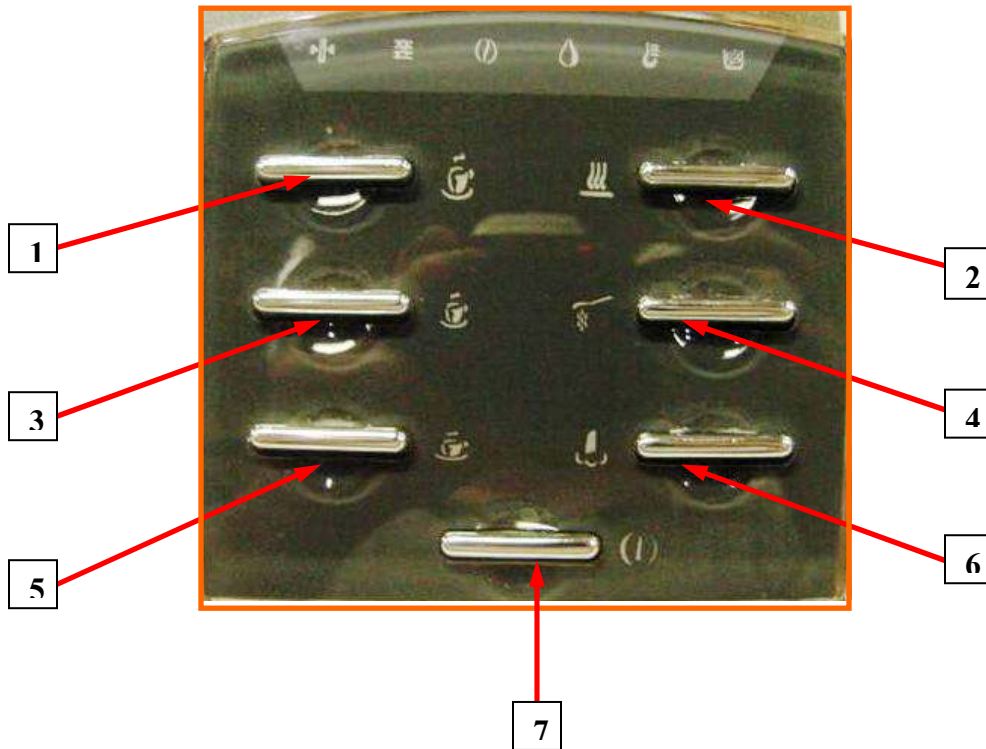


Turn the steam knob halfway **ON**. Check that the steam valve micro switch has been triggered and that the LED with the discaling mark goes **ON**. Turn the steam knob **OFF**. Check that the LED goes **OFF**.

To leave the test mode control turn the machine **OFF** and **ON** again.

Test Mode Control Magic Dlx. Redesign

In Test mode control it is very easy to locate the broken parts and the time to adjust it, becomes lesser. To enter in test mode control, machine has to be turned “OFF” or in “Energy Saving” mode and with hot water / steam knob closed.



For Entering in the Test Mode Control, press the following key's

- When machine is “OFF”**
 Press at the same time and hold key's # 4 and # 6.
 Turn “ON” the machine by the main switch.
 Let go off the keys. Now the machine is in test mode control.
- When machine is in “Energy saving” mode**
 Press at the same time and hold key's # 4 and # 6.
 Then press key # 7.
 Let go off the keys. Now the machine is in test mode control.

Rotation Counterclockwise of the Gear motor**Key 1**

Check the right rotation counterclockwise of the gear motor by checking also the end position. When the gear motor is in work position, the Large coffee cup icon will light up. Check also that the gear motor isn't noisy.

Rotation Clockwise of the Gear motor**Key 5**

Check the right rotation clockwise of the gear motor by checking also the end position. When the gear motor is in home position, the Small coffee cup icon will light up. Check also that the gear motor isn't noisy.

Function of the Coffee Grinder**Key 3**

Check the right function of the coffee grinder and that it is rotating clockwise. Check the noise of the coffee grinder motor. When the doser is full, the coffee grinder stops and coffee bean LED lights up.

Function of the Doser Coil Solenoid**Key 2**

Check the right function of the doser coil solenoid. Check that the doser isn't noisy.

Function of the Pump**Key 4**

Open steam knob, press and hold key # 4. Check the right function of the pump. Confirm that the noise of the pump is normal. Check that the impulses of the flow meter are displayed on Warm up LED.

Close the steam knob. Press and hold key # 4, thus pressurizing the water line. Look carefully inside the machine to make sure that there are no leaks and that the impulses from flow meter stop.

Function of the Boiler Heating Coil**Keys 6 + 2**

Press and hold on same time keys # 6 and #2 to activate boiler heating coil.

Function of the LED's**Key 6**

With steam knob closed press and hold key # 6, (Steam button).
Check that all warning LED's light up.

Check all Micro switches

- Remove the brew group. Check that the brew group warning light (LED) goes OFF. Activate (Trigger) brew group micro switch. Check that the brew group micro switch warning light (LED) goes ON.

Note: The brew group micro switch can be also activated by placing brew group back into machine.

- Remove dump box. Check that the warning light with dump box icon goes OFF. Place dump box back into machine. Check that the warning light of the dump box goes ON.

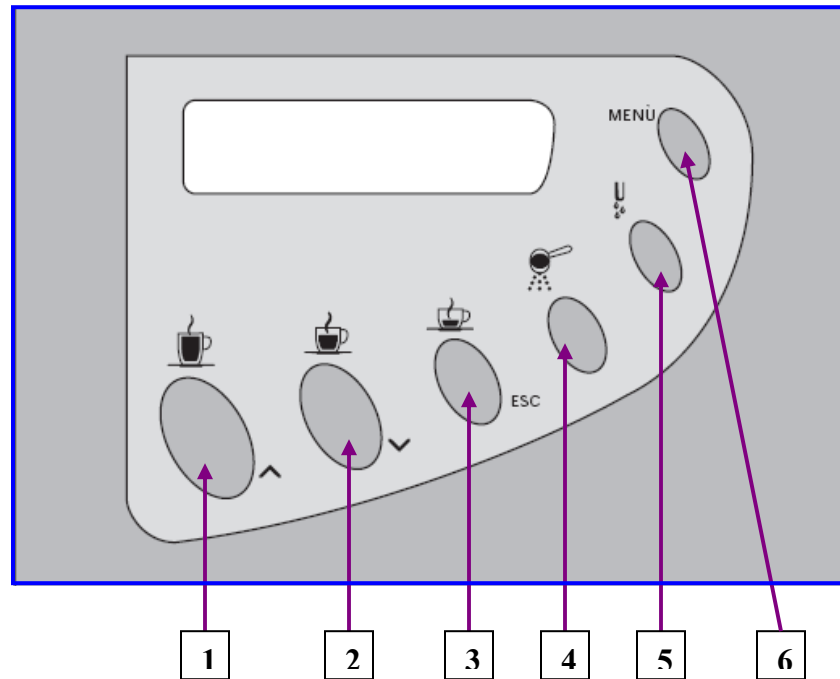
- Remove water tank. Check that the warning light with water drop icon goes OFF. Place water tank back onto machine. Check that the warning light of the water tank goes ON.

Note: To have this test function properly, water tank must be filled with water.

- Turn the steam knob halfway ON. Check that the steam valve micro switch has been triggered and that the warning light with descaling marc (Icon) goes ON. Turn steam knob OFF. Check that the warning light with descaling marc goes OFF.

To leave test mode control turn machine OFF and ON again.

Test Mode Control MAGIC Comfort +



For Entering in the Test Mode Control, press the following key's

- When machine is "OFF"**
 Press at the same time and hold key's # 2 and # 3.
 Turn "ON" the machine by the main switch.
 Let go off the keys. Now the machine is in test mode control.
- When machine is in "Energy saving" mode**
 Press at the same time and hold key's # 2 and # 3.
 Then press key # 6.
 Let go off the keys. Now the machine is in test mode control.

Rotation Counterclockwise of the Gear motor

Key 1

Check the right rotation counterclockwise of the gear motor by checking also the end position. When the gear motor is in work position, the number 1 will appear on display. Check also that the gear motor isn't noisy.

Rotation Clockwise of the Gear motor

Key 2

Check the right rotation clockwise of the gear motor by

Checking also the end position. When the gear motor is in home position, the number 2 will appear on display. Check also that the gear motor isn't noisy.

Function of the Coffee Grinder	Key 3
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Check the right function of the coffee grinder and that it is rotating clockwise. Check the noise of the coffee grinder motor. When the doser is full, the coffee grinder stops, number 3 will appear on display.

Function of the Doser Coil Solenoid	Key 4
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Check the right function of the doser coil solenoid. Check that the doser isn't noisy, number 4 will appear on display.

Function of the Pump	Keys 6 & 1
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Open steam knob, press and hold on same time keys # 6 & # 1. Check the right function of the pump. Confirm that the noise of the pump is normal.

Close the steam knob. Press and hold key # 6 & # 1, thus pressurizing the water line. Look carefully inside the machine to make sure that there are no leaks.

Function of the Pump and both Electro valves	Keys 6 & 2 or 6 & 4
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Press and hold on same time keys # 6 & # 2 or keys # 6 & # 4. Check the right function of the pump and both electro valves. Check that the impulses of the flow meter are displayed on right bottom of display.

Function of the Pump and steam Electro valve	Keys 6 & 3
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Press and hold on same time keys # 6 & # 3. Check the right function of the pump and steam electro valve.

Function of the Steam Electro valve	Keys 6 + 5 + 2 or 6 + 5 + 3
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Press and hold on same time keys # 6 + # 5 + # 2, or keys # 6 + # 5 + # 3. Check the right function of steam electro valve a click will be heard. Number 23 will appear on display.

Function of the Water Electro valve	Keys 6 + 5 + 1
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Press and hold on same time keys # 6 + # 5 + # 1. Check the right function of water electro valve a click will be heard.

Number 1 will appear on display.

Function of the Boilers Temperature	Keys 6 + 5 + 4
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Press and hold keys #6 + # 5 + # 4. On display will show Temperature 1 on top and Temperature 2 on bottom. Temperature 1 shows brew boiler temperature value. Temperature 2 shows steam boiler temperature value.

Absorbing big resistance coffee Boiler	Keys 5 & 2
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Press and hold keys # 5 + # 2. Check that the big resistance of coffee boiler is absorbing. We can see it by checking boilers temperature. In this case Temperature 1 must be increased.

Absorbing resistance Steam Boiler	Keys 5 & 4
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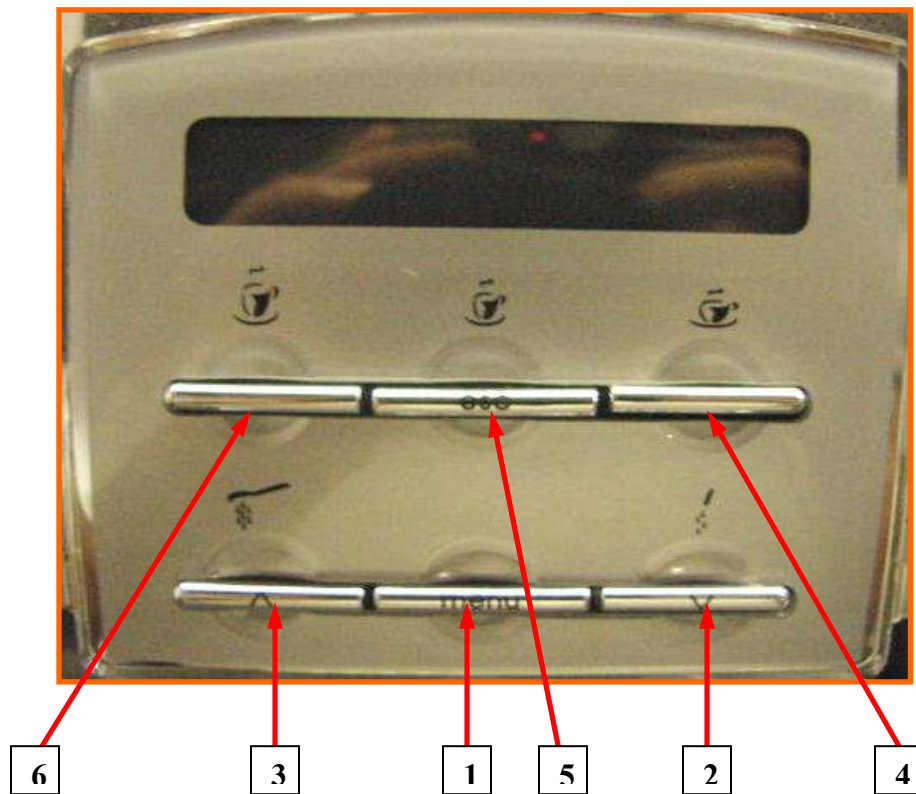
Press and hold keys # 5 + # 4. Check that the resistance of steam boiler is absorbing. We can see it by checking boilers temperature. In this case Temperature 2 must be increased.

Function of all Micro switches

- Turn steam knob ON. Check that the micro switch engages when steam knob is turned half way round and that on display appears number 4.
- Lift up water tank. Number 7 will disappear on display. It will show up when water tank is placed back. Water sensor is reading.
- Pull dump box (Dreg drawer) out. Number 5 will disappear on display. Place dump box back into machine, number 5 will show up on display.
- Bypass door power switch and remove brew group unit. Number 6 will disappear on display. Place brew group unit back. Number 6 will show up on display.

To exit Test Mode Control turn machine OFF and turn it ON again.

Test Mode Control MAGIC Comfort + Red.



For Entering in the Test Mode Control, press the following key's

- **When machine is “OFF”**
Press at the same time and hold key's # 4, # 5 and # 1.
Turn “ON” the machine by the main switch.
Let go off the keys. Now the machine is in test mode control.
- **When machine is in “Energy saving” mode**
Press at the same time and hold key's # 4, # 5 and then press key # 1 for two seconds.
Let go off the keys. Now the machine is in test mode control.

Rotation Counterclockwise of the Gear motor

Key 6

Check the right rotation counterclockwise of the gear motor by checking also the end position. When the gear motor is in work position the number 1 will appear on display. Check also that the

gear motor isn't noisy.

Rotation Clockwise of the Gear motor

Key 5

Check the right rotation clockwise of the gear motor by checking also the end position. When the gear motor is in home position, the number 2 will appear on display. Check also that the gear motor isn't noisy.

Function of the Coffee Grinder

Key 4

Check the right function of the coffee grinder and that it is rotating clockwise. Check the noise of the coffee grinder motor. When the doser is full, the coffee grinder stops, number 3 will appear on display.

Function of the Doser Coil Solenoid

Key 3

Check the right function of the doser coil solenoid. Check that the doser isn't noisy, number 4 will appear on display.

Function of the Pump

Keys 2 & 5

Open steam knob, press and hold on same time keys # 2 & # 5. Check the right function of the pump. Confirm that the noise of the pump is normal.

Close the steam knob. Press and hold key # 2 & # 5, thus pressurizing the water line. Look carefully inside the machine to make sure that there are no leaks.

Function of the Steam Electro valve

Keys 1 + 5 + 4 or 1 + 5 + 2

Press and hold on same time keys # 1 + # 5 + # 4, or keys # 1 + # 5 + # 2. Check the right function of steam electro valve a click will be heard.

Function of the Water Electro valve

Keys 1 + 5 + 6 + 4

Press and hold on same time keys # 1 + # 5 + # 6 + # 4. Check the right function of water electro valve a click will be heard.

Function of the Boilers Temperature

Keys 1 + 5 + 2 + 3

Press and hold keys #1 + # 5 + # 2 + 3. On display will show Temperature 1 on top and Temperature 2 on bottom. Temperature 1 shows brew boiler temperature value. Temperature 2 shows steam boiler temperature value.

Absorbing big resistance coffee Boiler**Keys 1 & 5**

Press and hold keys # 1 + # 5. Check that the big resistance of coffee boiler is absorbing. We can see it by checking boilers temperature. In this case Temperature 1 must be increased.

Absorbing small resistance coffee Boiler**Keys 1 & 4**

Press and hold keys # 1 + # 4. Check that the small resistance of coffee boiler is absorbing.

Absorbing resistance Steam Boiler**Keys 1 & 3**

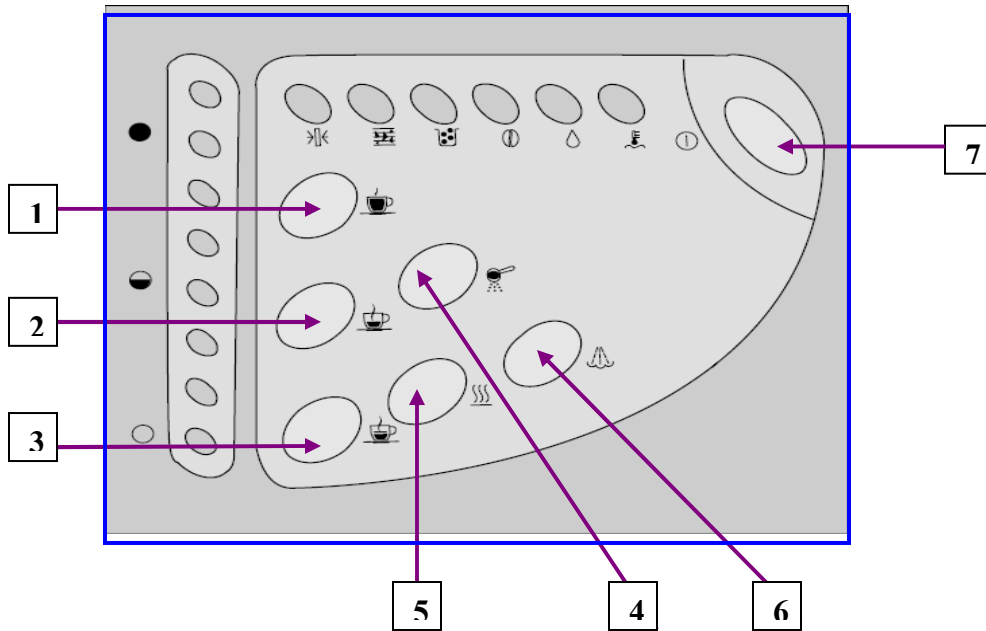
Press and hold keys # 1 + # 3. Check that the resistance of steam boiler is absorbing. We can see it by checking boilers temperature. In this case Temperature 2 must be increased.

Function of all Micro switches

- Turn steam knob ON. Check that the micro switch engages when steam knob is turned half way round and that on display appears number 4.
- Lift up water tank. Number 7 will disappear on display. It will show up when water tank is placed back. Water sensor is reading.
- Pull dump box (Dreg drawer) out. Number 5 will disappear on display. Place dump box back into machine, number 5 will show up on display.
- Bypass door power switch and remove brew group unit. Number 6 will disappear on display. Place brew group unit back. Number 6 will show up on display.
- Activate the doser micro switch and check that on display appears number 3.

To exit Test Mode Control turn machine OFF and turn it ON again.

Programming Mode Magic Dlx.



For Entering in the Programming Mode, press the following key's

- **When machine is “OFF”**
 Press at the same time and hold key's # 3 and # 6.
 Turn “ON” the machine by the main switch.
 Let go off the keys. Now the machine is in programming mode.
- **When machine is in “Energy saving” mode**
 Press at the same time and hold key's # 3 and # 6.
 Then press key # 7.
 Let go off the keys. Now the machine is in programming mode.

Water Hardness Setting

Key 1

Press key # 1 to set water hardness. There are 4 levels of water hardness.

Water hardness No 1:

Press key # 1 **Once**, brew group warning light comes ON

This will be **Water hardness** set to #1. In this level, machine requires to be descaled after 400 Liters water run through machine.

Water hardness No 2:

Press key # 1 **One more time**; brew group and descaling warning lights will be ON.

This will be **Water hardness** set to # 2. In this level, machine requires to be descaled after 200 Liters water run through machine.

Water hardness No 3:

Press key # 1 **One more time**; brew group, descaling and dump box warning lights will be ON.

This will be **Water hardness** set to # 3. In this level, machine requires to be descaled after 100 Liters water run through machine.

Water hardness No 4:

Press key # 1 **One more time**; brew group, descaling, dump box and coffee bean warning lights will be ON.

This will be **Water hardness** set to # 4. In this level, machine requires to be descaled after 50 Liters water run through machine.

Pre Brewing On /Off	Key 2
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Pre brewing ON

Press key # 2, medium cup coffee icon (LED) ON, pre brewing ON.

Pre brewing OFF

Press key # 2, medium cup coffee icon (LED) OFF, pre brewing OFF.

Pre Grinding On /Off	Key 5
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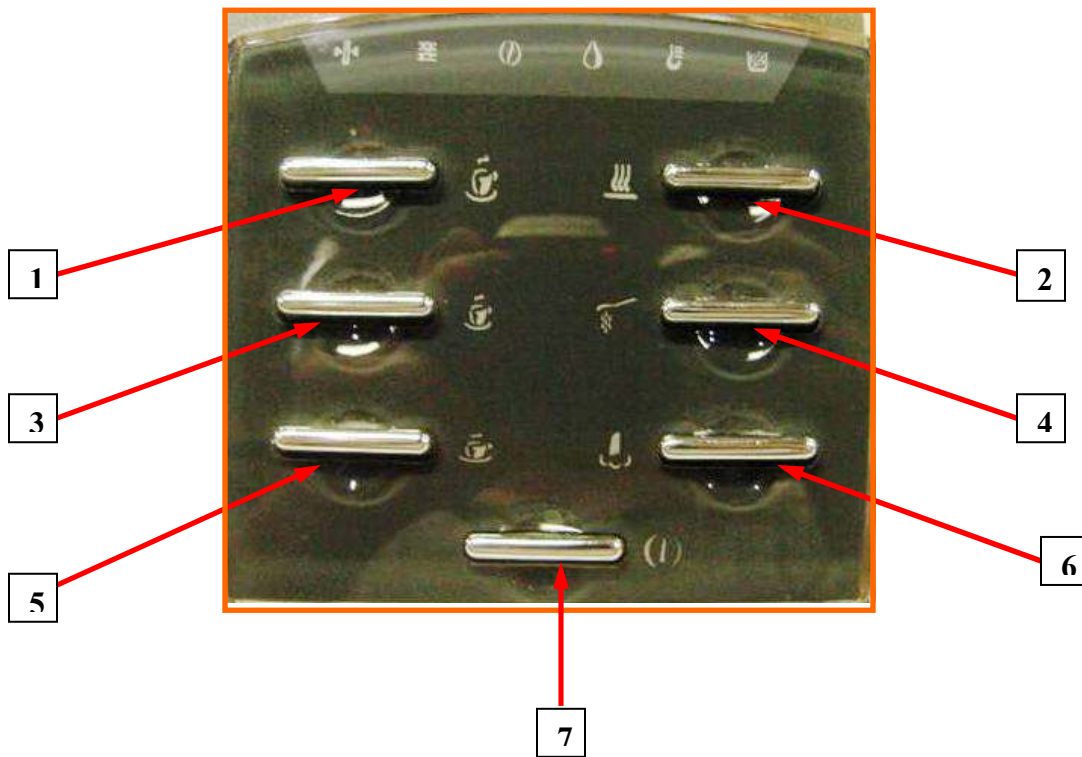
Pre Grinding ON

Press key # 5, cup warmer icon (LED) ON, pre grinding ON.

Pre grinding OFF

Press key # 5, cup warmer icon (LED) OFF, pre grinding OFF.

Programming Mode Magic Dlx. Redesign



For Entering in the Programming Mode, press the following key's

- When machine is "OFF"**
 Press at the same time and hold key's # 3 and # 6.
 Turn "ON" the machine by the main switch.
 Let go off the keys. Now the machine is in programming mode.
- When machine is in "Energy saving" mode**
 Press at the same time and hold key's # 3 and # 6.
 Then press key # 7.
 Let go off the keys. Now the machine is in programming mode.

Water Hardness Setting

Key 1

Press key # 1 to set water hardness. There are 4 levels of water hardness.

Water hardness No 1:

Press key # 1 **Once**, brew group warning light comes ON.

This will be **Water hardness** set to #1. In this level, machine requires to be descaled after 400 Liters water run through machine.

Water hardness No 2:

Press key # 1 **One more time**, brew group and descaling warning lights will be ON.

This will be **Water hardness** set to # 2. In this level, machine requires to be descaled after 200 Liters water run through machine.

Water hardness No 3:

Press key # 1 **One more time**, brew group, descaling and coffee bean warning lights will be ON.

This will be **Water hardness** set to # 3. In this level, machine requires to be descaled after 100 Liters water run through machine.

Water hardness No 4:

Press key # 1 **One more time**, brew group, descaling, coffee bean and water drop warning lights will be ON.

This will be **Water hardness** set to # 4. In this level, machine requires to be descaled after 50 Liters water run through machine.

Pre Brewing On /Off**Key 5****Pre brewing ON**

Press key # 5, small cup coffee icon (LED) ON, pre brewing ON.

Pre brewing OFF

Press key # 5, small cup coffee icon (LED) OFF, pre brewing OFF.

Pre Grinding On /Off**Key 2****Pre Grinding ON**

Press key # 2, cup warmer icon (LED) ON, pre grinding ON.

Pre grinding OFF

Press key # 2, cup warmer icon (LED) OFF, pre grinding OFF.