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KRUPPS

MODEL K820

SUGGESTED INITIAL SETTINGS FOR CONTROL PROGRAM FOR KRUPPS UNDERCOUNTER DISHWASHER

Carefully unpack unit and place close to final location.
Remove plastic ties from hoses at rear of machine

Electrical connection can be made either from knock-out at rear lower left of machine or making a 7/8" (22mm) hole at top left of rear panel to accommodate a snap-in connector for the power line.
If the drilled hole is selected, it is not necessary to open the rear panel.
If the lower knock-out is selected then remove rear panel by 3 screws on each side, 4 screws at bottom, and 3 screws at top.
Release top front panel with 2 screws, one at each side, and gently pry panel out, generally easer by prying from the right side. Power input terminal is at this panel on inside left side.
Electrical supply cable must be long enough to allow connection to terminal as per selected route and still allow unit to be movable forward to accommodate service and occasional cleaning, with 2 power lines and ground to continue up the rear and forward under the top to the power input terminal. (unit is 208/230 Volts, 2 wire plus ground, 16 Amps, use 2 pole 20 Amp breaker or fuse). Be sure terminal screws are well secured. When attaching power lines, be careful to not bend bracket holding door switch near power terminal. Reassemble rear panel.
Drain must be connected to a minimum of a ¾ entry to a drain take-off, or an open drain.
Water (hot suggested although unit will work with cold but at a slower pace) hose is 3/4 pipe thread (NPT) (NOT GARDEN HOSE).
Be sure the detergent and rinse-aid containers are available. If chemicals are not immediately available, insert both chemical lines into a container of water for initial start-up procedure.
Install (white) sinker weights and (black) filter ends on both detergent and rinse-aid tubes and insert tubes into containers of chemicals.

When ready to make initial power-up, please note the first power-up will ask to prime the two chemical lines.

When ready, with water supply opened and power applied to machine, for the first time only, touch the circular button and the screen will come on and ask to perform the priming of the chemicals. As the lines and pumps are empty, this priming is recommended but not mandatory. The chemicals will fill and the unit will load washing water. While filling the screen will note "loading". When full the screen will note "heating". Allow machine to warm to operating temperature (10 to 20 minutes depending on supply water temperature).

Perform an initial programming as follows:

To see video of set-up go to https://www.youtube.com/watch?v=lad6TVQKqqs

Press gently and hold "on/off" button and "rinse" button simultaneously for 4 seconds. Display should then change to "password".

Password is entered by touching buttons in sequence as follows:

Down arrow (left side of screen)
Up arrow (left side of screen)
Rinse spray (right upper side of screen)
Drain (right lower side of screen pot with arrow down)
Drain (right lower side of screen pot with arrow down)
Rinse spray (right upper side of screen)

Display should then change to entry mode in numerical order as below. To advance to the next position, touch the "Drain (Pot with arrow down)" button. There are approximately 42 positions and if you have to go back to a previous position touch the rinse spray button. To end and save the entries, press "on/off" button for 4 seconds. Screen should then display "standby".

Suggested settings of program.

1. Language of display after completing entries.
2. Temperature scale C. or F. Will change if set after program is completed.
3. Autostart On or Off. "ON" determines whether the machine starts by closing the door. "OFF" setting requires a touch to the "START" button after closing door
4. Automatic priming of detergent chemical line. Only the first time the machine is installed.
5. Automatic priming of Rinse Aid chemical line. Only the first time the machine is installed.
6. General prime loading of wash detergent in wash water. Suggestion set to 40.
7. General prime loading of Rinse Aid in rinse line water. Suggestion set to 45.
8. Program 1, Booster temperature setting. 87C
9. Program 1, Wash Tank temperature setting. 64C
10. Program 1, Detergent load time. 15' may be adjusted to local requirements.
11. Program 1, Rinse Aid load time. 19' may be adjusted to local requirements.
12. Program 2, Booster set. 87C
13. Program 2, Wash Tank set. 64C
14. Program 2, Detergent load time. 15' may be adjusted to local requirements.
15. Program 2, Rinse Aid load time. 19' may be adjusted to local requirements.
16. Program 3, Booster set. 87C

17. Program 3, Wash Tank set. 64C
18. Program 3, Detergent load time. 15' may be adjusted to local requirements.
19. Program 3, Rinse Aid load time. 19' may be adjusted to local requirements.
20. Program 4, Booster set. 87C
21. Program 4, Wash Tank set. 64C
22. Program 4, Detergent load time. 15' may be adjusted to local requirements.
23. Program 4, Rinse Aid load time. 19' may be adjusted to local requirements.
24. Pause time. Between wash and rinse to allow soapy water to run off dishes etc., Suggest 5
25. Rinse time. Suggest 18'
26. Drain Pump. Suggest On.
27. Manual Drain Time. Suggest 120'
28. Drain pump operation during wash portion (Loop). Set to 4
29. Regeneration. Set to "off"
30. Thermostop. Set to "on"
31. Loading Thermostop. Set to "on"
32. Booster temperature Thermostop. Set to 7
33. Wash tank temperature Thermostop. Set to 7
34. Partial Cycle counter. Ignore
35. Total Cycle counter, Ignore
36. Energy Saving. (will shut machine after determined period). Set Off
37. Reset Default settings. Ignore
38. Autoclean after drain. Generally set to Off
39. Water hardness. Generally determined by test kit supplied with machine or determined by chemical supplier. Nominally set to 25 for most processed water supplies (Municipal) or 30 to 40 for "hard" water
40. Allow tank heater to operate with door open, set to "On"
41. Reset Machine type. Ignore.
42. Microswitches. Set to "Off"

Touch and hold "On/Off" button for 4 seconds or until screen displays "Standby". Touch "On/Off" button again and screen should display wash time on top, operation on second line, Tank Temperature on third line, and Booster on forth line. Again allow machine to make initial warming to be ready for operation.

Select desired wash time by noting number on top row of screen and touching up or down arrow to change to desired cycle. Number displayed is number of seconds of total wash cycle.

Load items to be washed in a rack and place in machine. Close door and machine will start, or press start button.

Screen will flash when wash is complete. Remove rack and allow items to dry for about 2 minutes. If glasses with hollow bottoms are washed, gently tilt rack as it is removed from machine so as to drain these hollows.

During the complete operation period, wash water will be diluted every time there is a rinsing as the hot rinse water falls into the wash waster doing the dilution. Sanitizing is done by the 87C rinse water

which also performs a final cleaning of the items being washed.

At the end of the washing period, press “On/Off button until screen shows “Standby”, empty the machine by removing the overflow pipe by pulling up and remove from machine, close the door, and touch the “drain” button for 3 seconds. Machine will drain for the time set in the program). Clean the wash chamber, then remove the round strainer by pulling up and rinse it under warm water at the sink faucet. Be careful to not damage or lose the fine stainless screen. Replace it in the machine, and replace overflow pipe. Machine is now ready for the next day (or next operation period).

Suggestion. The machine door can remain open until the next utilization period to minimize any residue creating odors.

Alarm Codes

ER01	Filling time excessive
ER03	Tank heating time excessive
ER04	Booster heating time excessively short (usually indicating lack of water)
ER05	Tank probe open
ER06	Tank probe shorted
ER07	Booster probe open
ER08	Booster probe shorted
ER09	Tank Thermofuse open
ER10	Booster Thermofuse open
ER11	Booster Loading time out exceeded
ER12	Drainage time limit exceeded
ER13	Tank heating too quickly Pressure switch defect? Or lack of water
ER14	Control panel disconnected or defective

U Tube display of programming,

https://www.youtube.com/watch?v=lad6TVQKqqs