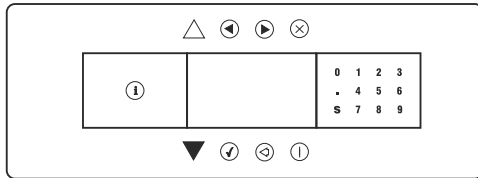
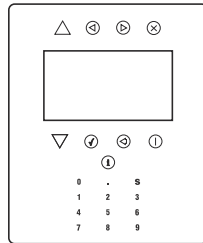


X Control Plus/Professional Programming Guide



CFD2989P

**Cabinet Freestanding 20 Pound Through 125 Pound Models
(65 Liter Through 600 Liter Models)
Cabinet Hardmount Models**

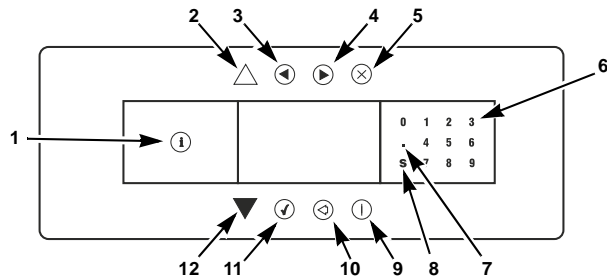


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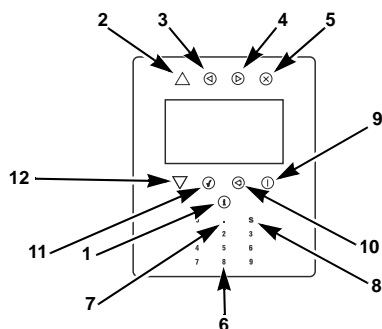
**Cabinet Freestanding 180 Pound Through 275 Pound
Models (800 Liter Through 1200 Liter Models)**

Keypad Definitions
Entering the Manual Programming Mode
Exiting the Manual Programming Mode
Error Codes
Programmable Options

Keypad Definitions



CFD2989P



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- | | |
|--|----------------------------------|
| 1 Info (Overview of available wash programs and program information) | 5 Stop (Program interruption) |
| 2 Move up | 6 Numeric keypad |
| 3 Selection No Decreasing the time sequence | 7 Delayed start function |
| 4 Selection Yes Increasing the time sequence | 8 Service info |
| | 9 Start (Advance function) |
| | 10 Cancel the selection |
| | 11 Confirm the selection (Enter) |
| | 12 Move down |

Entering the Manual Programming Mode

1. Press the SERVICE INFO button on the keypad.
2. Press the ARROW DOWN button several times until you see the screen with the menu selection "To program mode press 0."
3. Press "0" on the numeric keypad. The Main Menu screen appears.
4. If a password is enabled, enter the correct password.

Exiting the Manual Programming Mode

1. From the Main menu screen, press the SERVICE INFO button on the keypad. The machine returns to Run Mode.

Error Codes

Display	Description	Cause/Action
E2	No Drain End	Drain Failure; full stop + tumble
E3	Tilt Fault	Safety switch activated; full stop + tumble
E4	Imbalance	Safety switch activated during transition from distribution into spin sequence; skip + continue
E5	Tilt High Spin	Safety switch activated at high revolutions; Full stop + safety time
E6	Door Switch	Door switch failure; Full stop + safety time
E7	Door Coil	Door lock failure; Full stop + safety time
E8	Door Start	Door lock failure in the beginning of cycle; Don't start
E9	Door End	Door lock opening failure at the end of cycle; Don't start
E11	No Fill	Fill failure; Full stop + request for Continue
E12	Overfill	Failure due to water overfill (water level above the preset value); Full stop + tumble
E13	No Heating	Heating failure; Full stop + tumble
E14	Heat Time	Heating time failure; Full stop + request for continue
E15	Too Hot	Too high of temperature reached; Full stop + tumble
E21	Overflow	Water level too high; Full stop + tumble
E24	Level Sensor	Defective level sensor; Continue + Don't start
E25	Temp Sensor	Defective temperature sensor; Continue + Don't start
E26	Mitsub.Code	Undefined frequency inverter error code; Full stop + tumble
E27	Invert Com.	Communication fault inverter; Full stop + safety time
E28	ThT time	ThT Time out; Full stop + safety time
E29	OVE/OP time	OV3 time out / E.OP; Full stop + safety time
E31	Load Par	Initialization fault frequency inverter; Don't start
E32	Verify Par	Verification fault frequency inverter parameters; Don't start
E35	Wrong Softw	Wrong software version; Don't start
E36	Imbalance	Unbalance detection system activated; Reduction of spinning sequence revolutions. For info only
E37	No Drain Spr	Drain failure at the spray sequence; Full stop + tumble
E38	No Recycle	The tank with recycle water is empty; Warning at the end
E39	Out of Soap	The soap supplies are running out of soap; For info only
E41	Service Due	Service Due Warning; For info only; Open door = reset
E42	Connection	No Network Connection; For info only
E43	Voltage Par	Wrong Voltage Range Selection; Make correct selection
E44	Model Type	Incorrect selection of machine type; Make correct selection

Error Codes		
Display	Description	Cause/Action
E45	Speed Sensor	The drum rotation sensor is not working; Full stop + tumble
E56	Unload Speed	Drum Speed too high during unloading process; Full stop
E80	SoapTimeOut	Incorrect signal for liquid detergent dispensing; Full stop + tumble
E81	No Reheat	Heating Failure; Full stop + tumble
E82	No Refill	Refill failure; Full stop + request for Continue
E83	Power Interruption	No successful wash cycle termination; Info that the wash cycle has to be repeated
E85	RTC Reset Bat	Real Time Clock, No battery or battery low power; For info only
E100	Weigh No Comm	Communication fault weighing system; Full stop + Tumble
E101	Weight Low	Weight machine is too low; Don't Start
E102	Weight High	Weight machine is too high; Don't Start
E103	Weight Balance	Weight is not balanced over 4 load cells; Don't Start
E104	Weight Overload	Weight on individual load cell exceeds max.; Full stop + Tumble
E106	Calibration Error	Weighing system calibration error; The Ultrabalance weight system cannot be used
E107	Not Calibrated	The ultrabalance weighing system was not calibrated before the first use; The Ultrabalance weighing system cannot be used
E300-353	Mits Err	Specific Mitsubishi Inverter Alarm; Full stop + safety time
E500-E525	Memory Err	Memory Error; Full stop + safety time
E550	Traceability Write	Internal memory Error data for traceability; For info only
E551	Traceability Full	Internal Traceability memory is full; For info only
E560-563	USB Errors	Errors in communication with USB flash disk; For info only
E600-E628	Softw. Err	Software Error; Full stop + safety time

Programmable Options			
Menu Item	Option Display	Default	Range
1. Programming Menu	Language	English	List
	Service Interval	3000	1-9999
	Buzzer Time	5 Sec	0-99
	Allow Advance	Yes	No/Yes
	Automatic Cooldown	Yes	No/Yes
	Wait for Temp	Yes	No/Yes
	Manual Override	Yes	No/Yes
	Temperature Balance	No	No/Yes
	Motor On Time	12 Sec	1-99 Sec
	Motor Off Time	3 Sec	1-99 Sec
	Smart Motion	No	No/Yes
	Hot Water Heater Temp.	60°C	50-80°C
	Temp. Overshoot Prot.	00%	0-30%

Programmable Options			
Menu Item	Option Display	Default	Range
	Max Heating Time	60 Min	10-90 Min
	Max Water Fill Time	10 Min	5-99 Min
	Overfill Detection	5 units	3-25 units
	External Wait Control	Off	No / Soap / Heating / Wait Time
	Door Position Dirty Tune	5	0-9
	Door Position Hyg. Tune	5	0-9
	Prewash Soap Info	Yes	No/Yes
	Wash Liquid Soap Info	Yes	No/Yes
	Main Water Pressure	High	Low/Medium/High
	Step info	No	No/Yes
2. Configuration Menu	Machine Type	FX65	List
	Reset Defaults	No	No/Yes
	Brightness Display	12	1-20
	Supply Voltage (Inverter Type)	n/a	List
	Load Param...	No	No/Yes
	Total No. of Inlets	2	2/3
	Drain Val. 1 Inverted	No	No/Yes
	Drain Valve 2	No	No/Yes
	Water Recycle Inlets	0	0/1/2/3
	Supply Sign. A	Box	Box/Liquid
	Liquid Soap Supply	No	No/Yes
	Min. Level Start Supply	0 units	0 – Minimum progr. Level
	Temperature	Celsius	C / F
	Full Heating	1%	1-100%
3. Advanced Menu	Wet Cleaning	No	No/Yes
	Ultrabal. Settings	10	10/15
	Non-barrier Model	No	No/Yes
	Erase All Wash Prog?	No	No/Yes
	Load Standard Programs?	No	No/Yes
	Language	English	List
	Load Programs 1-20?	No	No/Yes
	Load Programs > 20?	No	No/Yes
	Communication Addr.	255	1-255
	Strict Temp. Control	No	No/Yes
	a. Hygienic Cycle Menu		
	Temp. Calib. Offset	0	-5/0/5
	Hygienic Water Level	No	No/Yes

Programmable Options			
Menu Item	Option Display	Default	Range
b. Program Mode Lock Menu	Password....	None	0000-99999
	Edit Password...	N/A	N/A
c. Program Lock Menu	Password....	None	0000-99999
	Programs 1, 3-15	Unlocked	Unlocked/Locked
	Program 2	Locked	Unlocked/Locked
	Edit Password....	N/A	N/A
d. Traceability Menu	Enable Traceability	No	No/Yes
	Traceability report	Data DAQ	Data DAQ/Data PC
	PC Comm. Timeout	15 sec	0-999 sec
	PC Data Time Limit	60 sec	0-999 sec
	Disable Traceability Errors	No	No/Yes
e. Weighing Menu	Weighing System	No	No/Auto/Manual/ Ultra
	Main units	Kg	Kg/%
	Help units	%	%/kg/vypnuto
	Load Cell Calibration...	N/A	N/A
	Expected Free Weight	XXXX	0-9999
	Water level	Unis	Units/Litres
	Correct Linen Absorpt.	No	No/Yes
	Automatic level Adjust.	No	No/Yes
	Automatic Soap Adjust.	No	No/Yes
	Scale Stabilization	3	3-15
	Calibration coefficient	100	80-120
f. Weighing menu – Ultra System	Calibration	N/A	N/A
	Weighing system counter	0	
	Reset of the weighing system counter	No	No/Yes
	Weighing statistics...		No/Yes
	Servicing test value	N/A	N/A
	Automatic adjustment of water level	Yes	No/Yes
	Automatic adjustment of dispensing	No	No/Yes

Programmable Options			
Menu Item	Option Display	Default	Range
g. Tilting System Menu	Tilting system	Off	Off/1/2
	Stabilization Time	25	10-300 sec
h. Data Export/ Import Menu	Data Export	No	No/Yes
	Programs Import	No	No/Yes
	Conf. Import	No	No/Yes
i. Special Menu	SoapLink Comm	No	No/Yes

NOTE: Refer to full Programming Manual for additional programming features.

Default Wash Programs
Wash Program 1: Hot Wash Intensive 194°F (90°C)
Wash Program 2: Warm Wash Intensive 140°F [60°C]
Wash Program 3: Colored Wash Intensive 104°F [40°C]
Wash Program 4: Bright Wash Intensive 86°F [30°C]
Wash Program 5: Woolens 59°F [15°C]
Wash Program 6: Hot Wash 194°F [90°C]
Wash Program 7: Warm Wash 140°F [60°C]
Wash Program 8: Colored Wash 104°F [40°C]
Wash Program 9: Bright Wash 86°F [30°C]
Wash Program 10: Eco Hot Wash 194°F [90°C]
Wash Program 11: Eco Warm Wash 140°F [60°C]
Wash Program 12: Eco Color Wash 104°F [40°C]
Wash Program 13: Eco Bright Wash 86°F [30°C]
Wash Program 14: Extraction - Low Speed
Wash Program 15: Extraction - High Speed
Wash Program 16: Sport 140°F [60°C]
Wash Program 17: Mops 140°F [60°C]
Wash Program 18: Horse Cloths 104°F [40°C]
Wash Program 19: Jeans 140°F [60°C]
Wash Program 20: Starching

NOTE: Refer to full Programming Manual for detailed information about individual wash programs.