

Enhanced

INSTALLATION & USE MANUAL

LZ[™] Series Bottle Filling Stations & Coolers CONNECTED READY

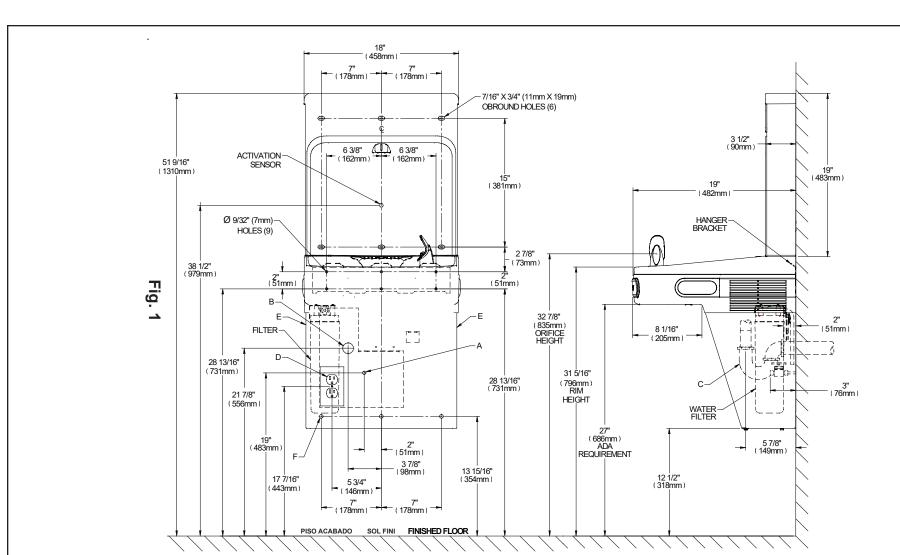


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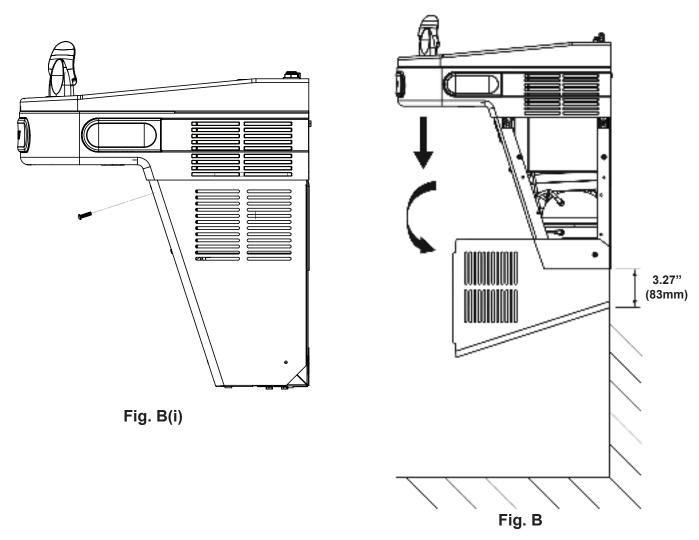
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REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDREN'S ADA COOLER

LEGEND/LEYENDA/LÉGENDE

- A = RECOMMENDED WATER SUPPLY LOCATION 3/8 O.D. UNPLATED COPPER TUBE CONNECT STUB WITH SHUT OFF (BY OTHERS) 3 IN. (76mm) MAXIMUM OUT FROM WALL
- B = RECOMMENDED LOCATION FOR WASTE OUTLET 1-1/4" O.D. DRAIN STUB 2 IN. OUT FROM WALL
- C = 1-1/4" TRAP NOT FURNISHED
- D = ELECTRICAL SUPPLY (3) WIRE RECESSED BOX DUPLEX OUTLET**
- E = INSURE PROPER VENTILATION BY MAINTAINING 6" (152 mm) (MIN.) CLEARANCE FROM CABINET LOUVERS TO WALL.
- F = 7/16 BOLT HOLES FOR FASTENING UNIT TO WALL
- **NEW INSTALLATIONS MUST USE GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
- NOTE: IT IS HIGHLY RECOMMENDED THAT THE CIRCUIT BE DEDICATED AND THE LOAD PROTECTION BE SIZED FOR 20 AMPS.



NOTE:

- 1. Ensure that there are no plumbing or external objects below the wrapper in the specified dimension. This minimum distance is required for the wrapper to swing out.
- 2. To access internal components, remove security screw and gently move wrapper down and rotate. When servicing is completed and once wrapper is in place prior to engaging security screw with frame threads, ensure thru hole is aligned with frame threads. Ensure screw is angled relative to the ground and perpendicular to wrapper surface prior to engagement. Hand tighten prior to using hand tool to avoid cross-threading. DO NOT USE POWER TOOL TO TIGHTEN. DO NOT OVERTIGHTEN.
- 3. Removing the wrapper from the pivoting bracket when servicing the unit is recommended. The wrapper may be left in place for quick serviceability.
- 4. CAUTION: DO NOT LEAN ON WRAPPER.
- 5. CAUTION: WRAPPER DROPS AND SWINGS WHEN SECURITY SCREWS ARE REMOVED.

HANGER BRACKET INSTALLATION

1) Remove hanger bracket fastened to back of cooler by removing one (1) screw.

2) Mount the hanger bracket as shown in Figure 1 (Pg. 2).

NOTE: Hanger Bracket MUST be supported securely. Add fixture support carrier if wall will not provide adequate support. Anchor hanger securely to wall using all six (6) 1/4 in. dia. mounting holes.

IMPORTANT: 5-7/8 in. (150mm) dimension from wall to centerline of trap must be maintained for proper fit.

INSTALLATION OF COOLER

3) Hang the cooler on the hanger bracket. Be certain hanger bracket is engaged properly in the slots on the cooler back as shown in Figure 1 (Pg. 2).

4) Remove the two front screws holding the lower front panel at the bottom of the cooler (see Fig 7, Pg. 6). Rotate the front panel down (see Fig B, Pg. 3) and remove.

5) Secure cooler frame to wall by installing (2) screws and washers (not supplied). (See Fig. 2, Pg. 4). Make sure the screws engage in a structural member.

6) Connect the supply water to the filter inlet tube.

7) Install trap. Remove the slip nut and gasket from the trap and install them on the cooler waste line making sure that the end of the waste line fits into the trap. Assemble the slip nut and gasket to the trap and tighten securely.

IMPORTANT: If it is necessary to cut the drain, loosen the screw at the black rubber boot and remove tube, check for leaks after re-assembly.

BOTTLE FILLER INSTALLATION

8) Remove two (2) mounting screws with 5/32" Allen wrench holding bottle filler to wall mounting plate (See Fig.8, Pg. 5). Note do not discard mounting screws, they will be needed to secure bottle filler to wall mounting plate.

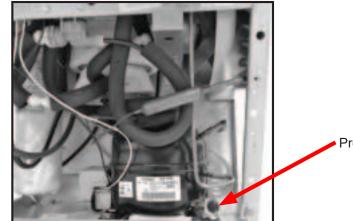
- 9) Remove wall mounting plate from Bottle Filler (see Fig 8, Pg. 5). Place wall mounting plate against wall on top of basin. Center the wall mounting plate side to side with the basin. Mark the six (6) mounting holes with a pencil. Place tape over wiring harnes connection on top of cooler to prevent debris from falling into Connection.
- 10) Remove wall mounting plate from wall. NOTE: Mounting plate MUST be supported securely. Add fixture support carrier if wall will not provide adequate support.
- 11) Install wall mounting plate to wall using six (6) 7/16" obround mounting holes (mounting bolts not included) (See Fig.8, Pg. 5). Use appropriate fasteners for your wall type.
- 12) Install gasket on bottom of bottle filler tower with gasket support bracket & (2) screws. (See Fig. 4, Pg. 4).
- 13) Route 3/8" tubing through the opening in the bottle filler gasket and plug into bulkhead fitting in basin. Route the wiring harness through the
- gasket and plug into the connector on the top of the basin.
- 14) Place bottle filler on four (4) hooks on the mounting plate installed on wall. Make sure round boss in gasket fits in hole of basin. (See Fig. 8, Pg. 5).

15) Plug electrical cord into outlet on wall.

- 16) Remove filter from carton, remove protective cap, attach filter to filter head by firmly inserting into head and rotating filter clockwise. Ensure that blue label can be read when filter is installed. (See Fig. 11, Pg. 7).
- 17) Turn water supply on and inspect for leaks. In both cooler and bottle filler. Fix all leaks before continuing.
- 18) Once cooler and bottle filter has been inspected for leaks and any leaks found corrected.
- 19) Reinstall two mounting screws from first step (See Fig. 8, Pg. 5). Caution, do not over tighten screws.
- 20) Once power is applied to the cooler the GREEN LED light will illuminate on the bottle filler showing good filter status along with the LCD Bottle Counter.
- 21) Verify proper dispensing by placing cup, hand, or any opaque object in front of sensor area and verify water dispenses. Note: the first initial dispenses might have air in line which may cause a sputter. This will be eliminated once all air is purged from the line.
- 22) Once unit tests out, install Lower Panel back on water cooler(s). Units are now ready for use.

Instructions For Replacing Filters

- 1) Remove the (2) screws (see Fig 7, Pg. 6) and rotate the front panel down (see Fig B, Pg. 3).
- 2) Turn off water supply; dispense water to relieve pressure
- 3) Remove power by unplugging cooler.
- 4) Turn used filter counterclockwise 1/4 turn to remove from filter head.
- 5) Remove cap from new filter and use to seal used filter.
- 6) Insert new filter into existing filter head and turn fully clockwise. Make sure you can read the label on the front of the filter once it is installed. (See Fig.11, Pg. 7).
- 7) Plug in unit to restore power.
- 8) Turn on water supply and run a minimum of two gallons of water through the filter to purge air any fine carbon particles from filter. Also run water through bottle filler Note: Filter status light will automatically reset once new filter is installed.



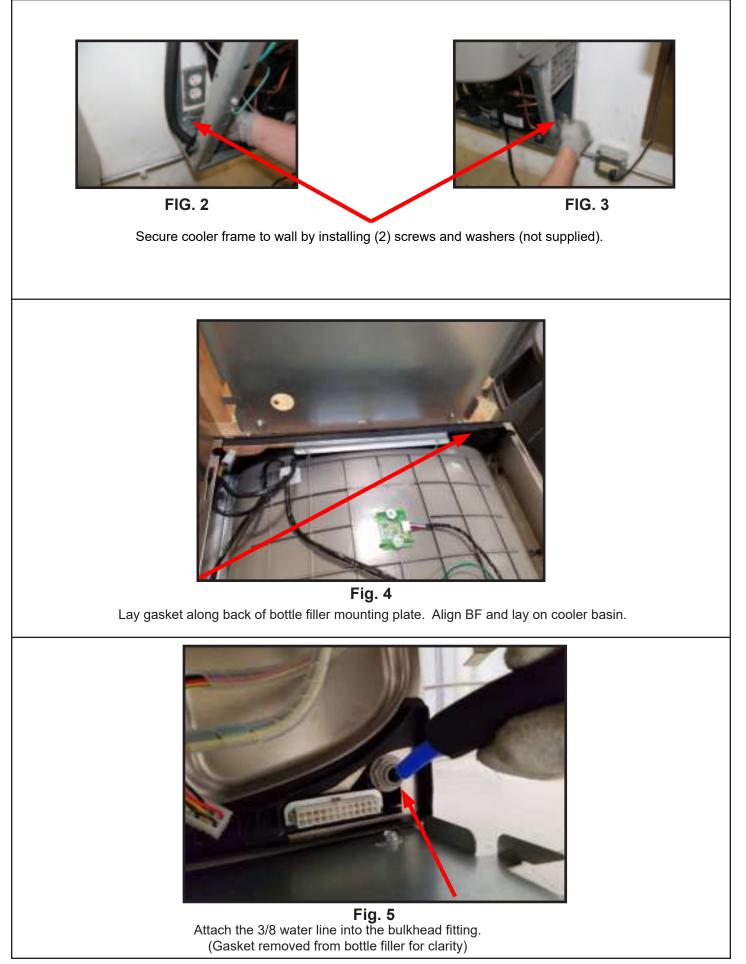
Programming Button



Instructions To Access Programming Button

1) Remove lower cover on refrigerated unit by removing (2) screws (see Fig 7, Pg. 5) and rotating the front panel down (see Fig B, Pg. 3).

2) Button is located in lower right corner of unit (See Fig. A, Pg. 3).





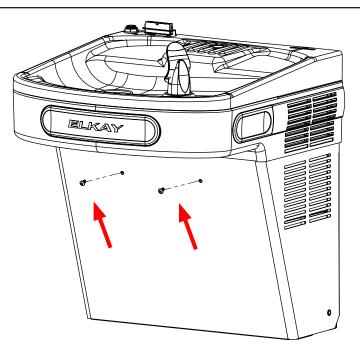
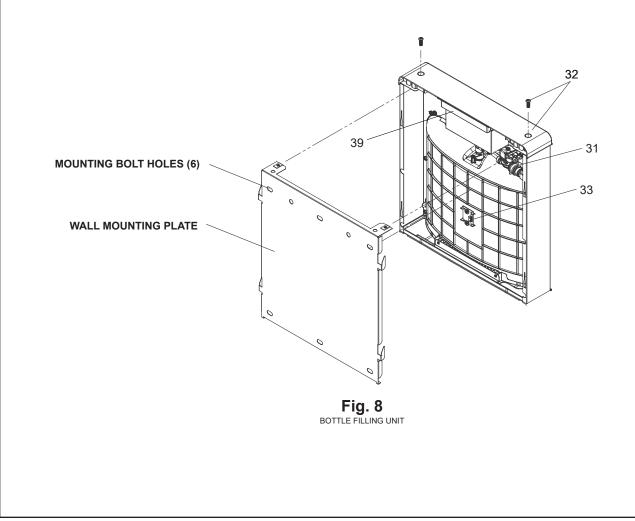
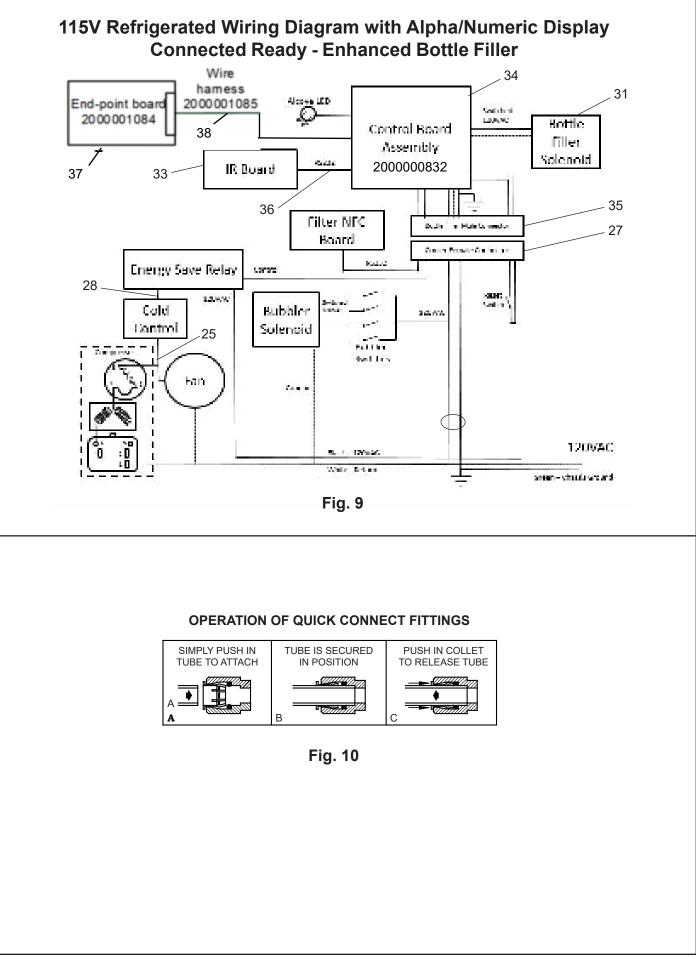
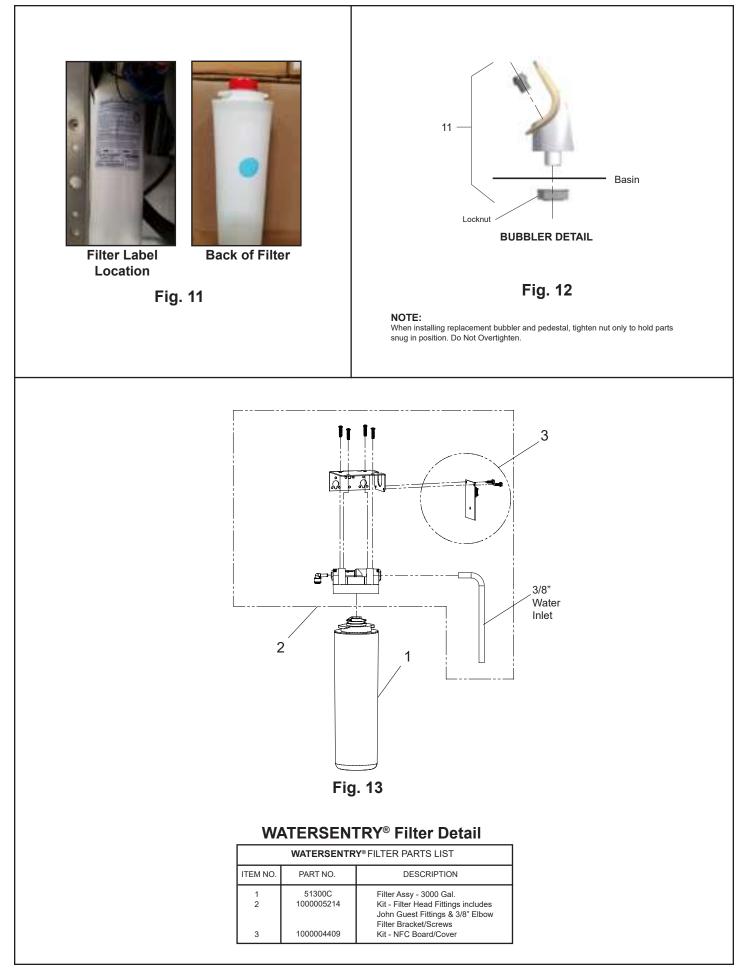


Fig. 6 Connect the bottle filler electrical harness. (Gasket removed from bottle filler for clarity)









Service Instructions

Lower and Upper Shroud

To access the refrigeration system and plumbing connections, Remove two (2) screws from front of cooler to remove the lower shroud. To remove the upper shroud for access to the pushbars, regulator, solenoid valve or other components located in the top of the unit, remove lower shroud, disconnect drain, remove four screws from tabs along lower edge of upper shroud, unplug two wires and water tube.

Bubbler

To remove the bubbler, first disconnect the power supply. The underside of the bubbler can be reached through the access panel on the underside of the upper shroud. Remove the access panel by removing the retaining screw. To remove the bubbler, loosen locknut from the underside of the bubbler and remove the tubing from the quick connect fitting per the Operation Of Quick Connect Fittings section in the General Instructions. After servicing, replace the access panel and retaining screw.

Switches Behind the Push Bar

The regulator in an EZ cooler is always held fully open by the use of a single regulator nut (See Item 9, Fig. 14). Water is not dispensed until the pushbar is depressed to activate a switch which then opens a solenoid valve.

To remove sidebars, from the inside compress the flared tabs and pull out carefully. To reinstall side pushbars, the front of the pushbar is inserted first. While keeping the switch depressed, snap the rear of the pushbar into position.

Cleaning

Stainless Steel

- General cleaning: use an ordinary mild detergent and soft cloth, rinse and towel dry.
- Steel soap pads should never be used; particles can adhere to a stainless steel basin surface and will eventually rust.
- Light scratches are normal for stainless steel basins; over time they will blend into the uniform finish pattern.

Plastic Components

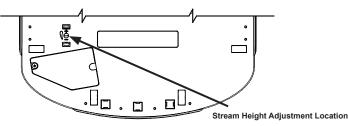
General cleaning: use an ordinary mild detergent and soft cloth, rinse and towel dry.
Wiping the surface clean to remove debris or build up will not hurt the antimicrobial properties.

Temperature Control

• Factory set at 50°F (+/- 5°F) under normal conditions. For temperature adjustments, refer to sticker on left side of top bar.

Stream Height Adjustment

VIEW OF UNDERSIDE OF BASIN SHROUD



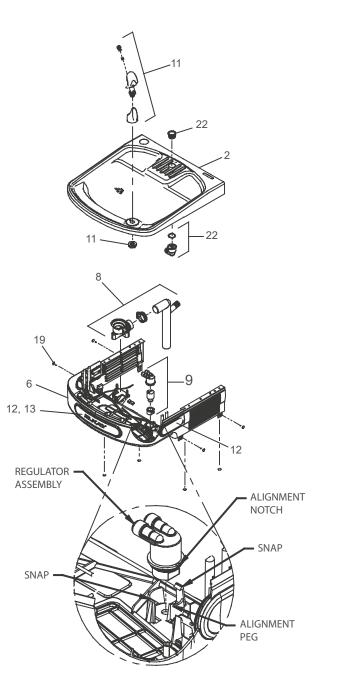


Fig. 14

Depress Button for 3 seconds to activate main menu - release										
Cycles thru	ı main menu i	tems 2 seconds each for 2 cycles th	en exits menu	unless selected						
Cycles thru	sub menu ite	ms 2 seconds each for 2 cycles the	n returns to ma	ain menu unless selected						
Selections a	are saved when	n the menu is exited						.,		
Top level	Action	Sub Menu 1	Action	Sub Menu/action	Action	Sub Menu/ action	Action	Sub Menu/ action	Notes	End Action
Info	Momentary	Scrolls through all the settings on unit								Returns to Main Menu
Info	Momentary	Flashes error code	ĺ		İ	1	1	İ		Returns to Main Menu
Set time	Momentary							1		Drops to next level when selected
		Day (Sunday-Saturday	Momentary						Use push button to select the day on the display	Drops to next level when selected
		AM/PM	Momentary						Use push button to select AM or PM	Drops to next level when selected
		Hour (12 hour)	Momentary						Use push button to select Hour	Drops to next level when selected
		Min 0-69 in 5 minute increments	Momentary						Use push button to select closest minute	Returns to Main Menu
Filter	Momentary									Drops to next level when selected
		No	Momentary	Turn off filter status and erros					No Filter unit - Error codes related to filter status turned off	Returns to Main Menu
		Yes	Momentary	Default setting - Turn on filter status and errors					Filter status has default ON / Default has read write to filter, LED status display, filter error capability	Returns to Main Menu
Refrig	Momentary									Drops to next level when selected
		No	Momentary	Turns off power to E/S relay sets bottle fill time to 1.5gpm					Refrigeration off	Returns to Main Menu
		Yes	Momentary	Default setting - Turns on power to E/S relay - sets time to 1.1gpm					Refrigeration on	Returns to Main Menu
Range	Momentary								The lower the number, the closer to the sensor the bottle needs to be to activate	Drops to next level when selected
		1-10	Momentary	Default setting 5 - Adjusts distance from sensor the bottle needs to be before turning before turning on or off the bottle filler						Returns to Main Menu
B-Light	Momentary								The settings are for the brightness of the display and night light	Drops to next level when selected
		25%	Momentary					Ì		Returns to Main Menu
		50%	Momentary							Returns to Main Menu
		75%	Momentary	Default Setting						Returns to Main Menu
		100%	Momentary							Returns to Main Menu
EnerSave	Momentary									Drops to next level when selected
		Off	Momentary	Default Setting						Returns to Main Menu
		On	Momentary	Set Energy Save Schedule						Drops to next level when selected
					Select Weekday		Drops to next level when selected			
							Momentary	Select time on	24 hours - 1-12AM and 1-12PM	Drops to next level when selected
							Momentary	Select time off	24 hours - 1-12AM and 1-12PM	Drops to next level when selected
						Select Weekend				Drops to next level when selected
							Momentary	Select time on	24 hours - 1-12AM and 1-12PM	Drops to next level when selected
							Momentary	Select time off	24 hours - 1-12AM and 1-12PM	Returns to Main Menu

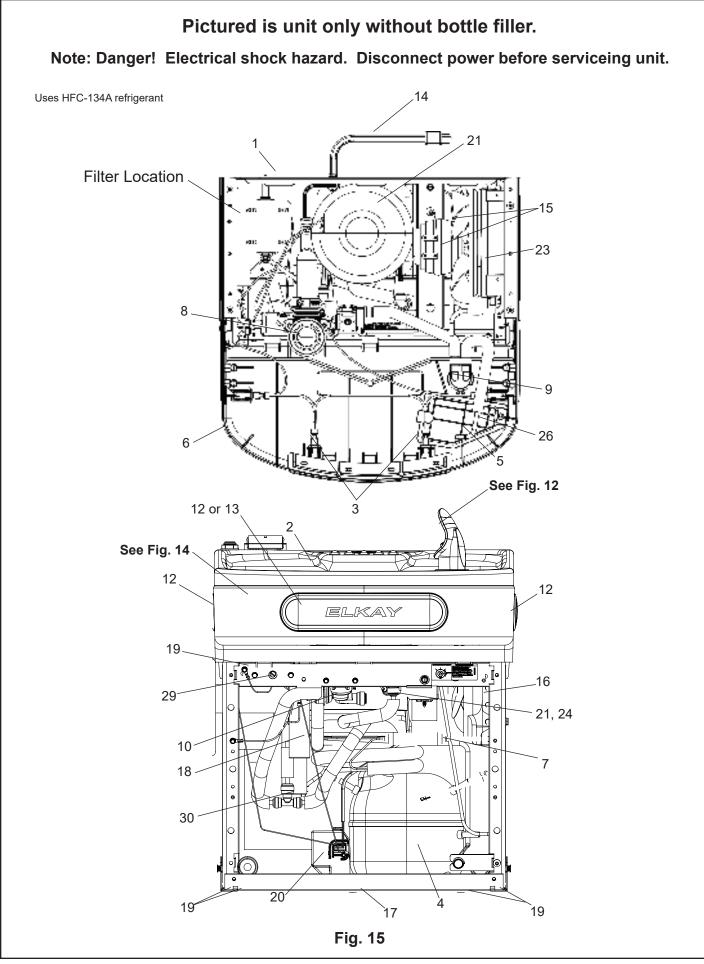
Programming Instruction

2000001133 (Rev. A - 10/12)

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ENLZS8WS_1G_ - W1

Enhanced EZH2O Error Codes							
Error Code	Error Description	Corrective Action					
	Bottle filler area obstructed	Remove obstruction.					
		Clean lens on IR sensor					
		Unplug unit for at least 30 seconds and restart					
		If error repeats, replace IR sensor					
E013	Missing or Incomplatible Filter	Check that filter is installed correctly (label facing forward, white tag fac- ing back)					
		Unplug unit for at least 30 seconds and restart					
		Replace filter					
		Replace filter head assembly with repair kit					
		If error repeats, contact certified service professional					
E013 &	Missing NFC Board	Unplug unit for at least 30 seconds and restart					
E014		Verify cable connector is plugged into NFC board on filter head assembly					
		Replace filter head assembly with repair kit					
		If error repeats, contact certified service professional					



	115V PARTS LIST	ATTEN	ITION	:			
PART NO.	DESCRIPTION	If the product serial number is before 190424189, please refer to archived documents section of Elkay.com for the most accurate parts list.					
28401C 000001337 36216C 36322C 56092C 56229C 66703C 1000001877 1000004564 1000004572	Hanger Bracket Basin - Stainless Steel Wiring - Front/Side Push Bar Compr - Service Pak 115V EMIS70HHR Tube - Poly (72") Assy - Shroud - Upper (Front Side Push) Drier Kit - Drain Replacement (Bottle Filler) (Bracket, Tube, Fitting, Clamp) Kit - Regular/Holder/Nut Kit - Solenoid Valve/Regulator Assembly	(www.ei	kay.con	n/arcniveo-(documents)		
56073C 98734C	Kit - Flexi Bubbler/"O"-Ring/Nut Kit - Pushbar (Front/Side) EZS TL	BOTTLE FILLER REPLACEMENT PART KITS					
1000004568 98775C 98776C	Power Cord Kit - Fan Motor/Blade/Screws/Nut Kit - Condenser/Drier/Wire Ties		ITEM	PART NO.	DESCRIPTION		
98777C 98778C 98898C 000000238 98724C 1000001812 56237C 1000004559 56213C 1000004559 56213C 1000004550 98773C 2000001211	Kit - Compr Mtg Hdwe/Grommets/Clips/Studs Kit - Heatx/Drier Kit - Hardware Kit - 115V Electricals (Relay, Overload, Cover) Kit - Evap. Replacement Kit - Bottle Filler Drain Shroud Kit - 75583C Elbow 5/16" x 1/4" (3 Pack) Wire Assy - Jumper Access Panel Harness - Cooler Wire - 6" Jumper Kit - Cold Control Wrapper Stainless Steel		NS 30 31 NS 32 33 34 NS 35 36 37 38 39	98546C 98549C 100004573 100005077 100002433 100005219 200000832 100000436 1000004546 1000004549 200001084 200001085 200001086	Kit - Aerator Replacement Kit - Hardware & Waterway (BF) Kit - Solenoid 120V (BF) Nameplate - Elkay Filtered Kit - Top Cover Assy (BF) Kit - IR Sensor K+ Kit - Connected Ready Control Board Numeric LED Board Kit - Tower/ Basin Gasket Harness - Bottle Filler Harness - LED/IR Board End-point Board Harness - End-point Board Bracket, End-point Board Mounting		
lot Shown	*INCLUDES RELAY & OVERLOAD. IF UNDER WARRANTY, REPLACE WITH SAME COMPRESSOR USED IN ORIGINAL ASSEMBLY. NOTE: All correspondence pertaining to any of the above water coolers or orders for repair parts MUST include Model No. and Serial No. of cooler, name and part number of replacement part.		NS =	Not Shown			
	•						
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	NO. 28401C 000001337 36216C 36322C 56092C 56229C 66703C 1000004577 100004564 1000004572 56073C 98774C 98777C 98777C 98777C 98777C 98777C 98777C 98777C 98777C 1000004559 98724C 1000004572 1000004559 98724C 1000004559 9873C 2000001211 lot Shown Cister i Request p Zurn crea and numb Log in to p section in - Note: R	PART No. DESCRIPTION 28401C Hanger Bracket 0000001337 Basin - Stainless Steel 36216C Wiring - Front/Side Push Bar 36322C Compr - Service Pak 115V EMIS70HHR 100001877 Kit - Drain Replacement (Bottle Filler) (Bracket, Tube, Fitting, Clamp) 1000004572 Kit - Drain Replacement (Bottle Filler) (Bracket, Tube, Fitting, Clamp) 100000457 Kit - Solenoid Valve/Regulator Assembly 56073C Drier 1000004572 Kit - Flast Bubbler/O'-Ring/Nut 98774C Kit - Pushbar (Front/Side) EZS TL 100000458 Power Cord 98775C Kit - Fan Motor/Blade/Screws/Nut 987776C Kit - Fandvare 987776C Kit - Heatx/Drier 987776C Kit - Hardware 000000238 Kit - 115V Electricals (Relay, Overload, Cover) Kit - Hardware Comprement 1000004550 Wire Assy - Jumper 56231C Access Panel 1000004551 Kit - Faldware 1000004520 Wire - 6" Jumper 56231C Access Panel	PART No. DESCRIPTION If the product of	PART NO. DESCRIPTION If the product set documents sec (www.elkay.cor) 28401C 38212C Hanger Bracket Basin - Stainless Steel Wiring - Front/Side Push Bar (Compr. Service Pak 115V EMIS70HHR 56032C (www.elkay.cor) 36212C Compr. Service Pak 115V EMIS70HHR 56032C (www.elkay.cor) 1000001637 Kit - Poly (72') Assy: Shroud - Upper (Front Side Push) Drier (www.elkay.cor) 1000004572 Kit - Solenoid Valve/Regulator Assembly Kit - Solenoid Valve/Regulator Assembly Kit - Fam Motor/Bide/Screws/Nut Kit - Fushbar (Front Side) E2S TL 1000001600 (www.elkay.cor) 1000004572 Kit - Fushbar (Front Side) E2S TL 1000001600 (www.elkay.cor) 98776C Kit - Fushbar (Front Only) (www.elkay.cor) 987776C Kit - Hardware 98878C (Kit - Hardware 1000001612 (Kit - Hardware 98878C (Kit - Hardware 98878C (Kit - Hardware 98878C (Kit - Hardware 98778C (Kit - Hardware 98778C (Kit - Solenoid File Porian) 56213C (Kit - Condremer/Drier/Vire Ties 56237C (Kit - Condremer/Drier/Vire Ties 5733C (Kit - Condremer/Drier/Vire Ties 5733 (Kit - Condremer/Drier/Vire Ties 57333 (Kit	PART No. DESCRIPTION If the product serial number documents section of Elka (www.elkay.com/archived-u documents section of Elka (www.elkay.com/archived-u (wwwwwwwwelkay.com/archived-u (wwwwelkay.com/archived-u (wwwwwwwelk		

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The device shall be used in such a manner that the potential for human contact normal operation is minimized. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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INDUSTRY CANADA STATEMENT

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de license. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device shall be used in such a manner that the potential for human contact normal operation is minimized. This equipment complies with RSS-102 radiation exposure limits. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Le dispositif doit être utilisé de manière à minimiser le potentiel de fonctionnement normal par contact humain. Cet équipement est conforme aux limites d'exposition au rayonnement RSS-102. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps. Cet appareil et son (ses) antenne (s) ne doivent pas être co-localisés ou utilisés conjointement avec une autre antenne ou un autre émetteur.

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