

Model 0390-(n)\*



EZFILL™ SOAP DISPENSER

AUTOMATIC DECK MOUNTED  
SOAP DISPENSER FOR  
EZFILL™ TOP FILL MULTIFEED KIT  
WITH 1.6 GAL . (6L) CONTAINER

INSTALLATION AND MAINTENANCE GUIDE

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Unit Install Date \_\_\_\_\_

Unit Location in Facility \_\_\_\_\_

Unit S/N (From Label) \_\_\_\_\_

Supplied By \_\_\_\_\_

Original PO No. \_\_\_\_\_

ASI Order No. \_\_\_\_\_

# \*SUFFIX CODE INDEX AND APPLICATION

Schedule of Model Nº Suffix Codes to replace (n) in Model Nº and Application	
Model Nº Suffix	Service Application
1A	Universal Model, Battery Operation
1AC	USA/UK/EU Interchangeable Plug Model, AC Adapter Operation
3AC	AU Model, AC Adapter Operation
6-1A	Universal Model, Battery Operation, Six Pack
6-1AC	USA/UK/EU Interchangeable Plug Model, AC Adapter Operation, Six Pack
6-3AC	AU Model, AC Adapter Operation, Six Pack

Space Provided For Owner Notes

# PRE-INSTALLATION INFORMATION

## CHECK CONTENTS

Separate all parts from the packaging and check each part with the PACK CONTENTS section.

Make sure all parts are received and separated before discarding any packaging material.

If any parts are missing, do not attempt to install the system until you obtain the missing parts.

## IMPORTANT

Ensure there is adequate space and clearance under the vanity to accommodate the SD Mounting Shank and Basin Nut in the desired location before drilling the hole in the counter top.

Ensure there is adequate space to place the pump within reach of the Com Cable from the SD Shank.

Keep in mind that the location of the user hands, while using the faucet nearby, should not interfere with the soap dispenser sensor detection area.

## CAUTION

Do not install the soap dispensers facing a mirror or any other electronic system operated by an infrared sensor.

To prevent reflection problems, it is recommended to keep a minimum distance of 5' (1.5M) between the soap dispenser sensor and any other directly facing objects.

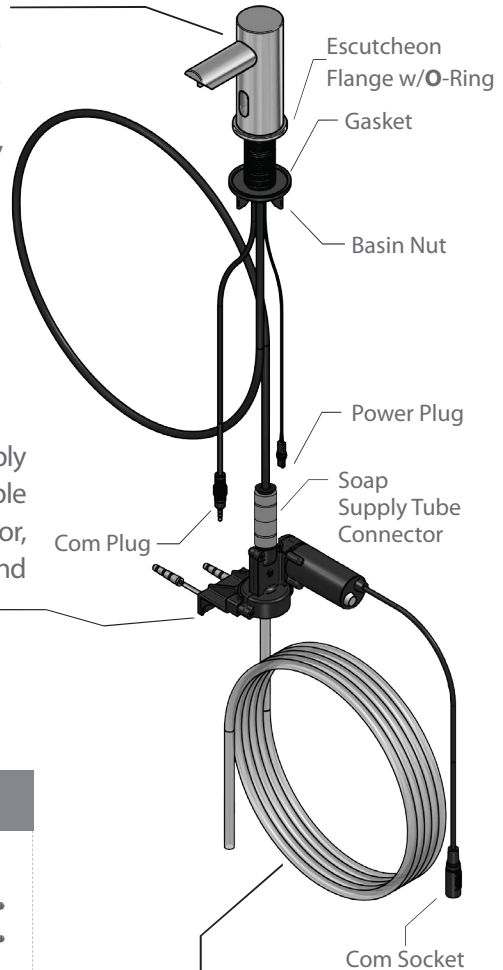
# PACK CONTENTS

## EZFILL™ SOAP DISPENSER 0390-(n)

Identify the items and confirm that parts are included.

Automatic SD Body and vanity mounting hardware with power cord, Com Cable w/inline plug connector and black soap supply tube 1/4" dia. (Ø6) Nylon flex 36" (914) long with connector.

EZFILL™ pump assembly with wall bracket, Com Cable w/inline socket connector, soap supply tube and mounting hardware.

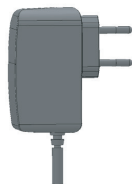


### Power Supply Option



One (1) ONLY either per model

Battery Box  
6Dx1.5V=9V

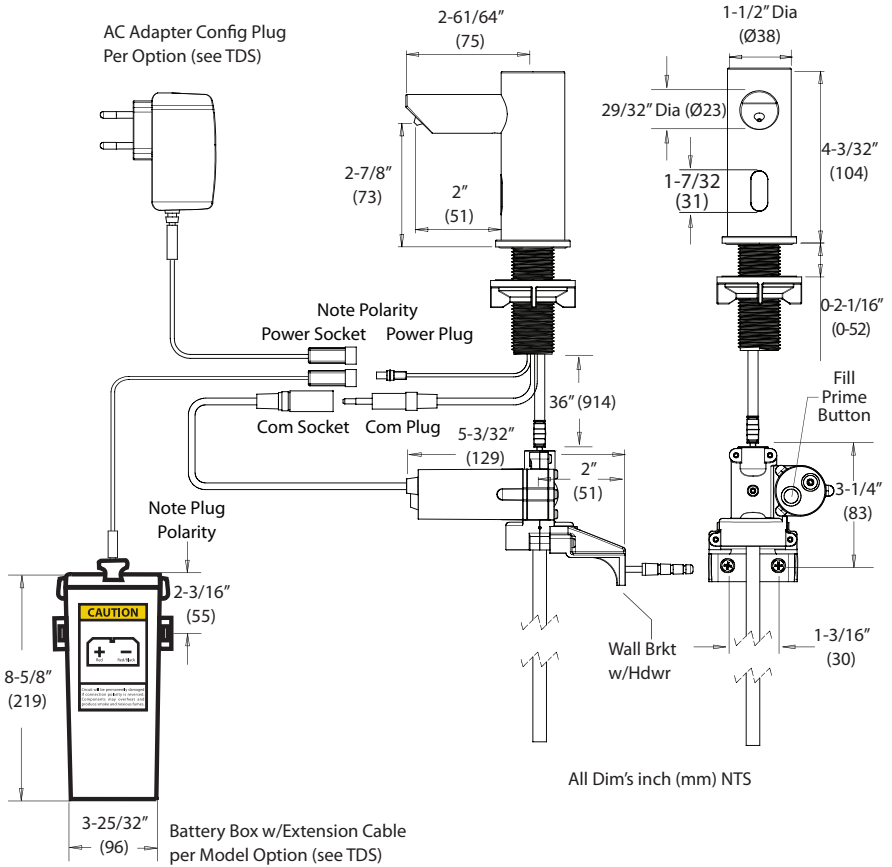


Plug Adapter  
configuration per model

Transformer  
12V from 100~240 VAC

Clear 5/16" dia. (Ø8) Flex tube 118" (3000) Supplied coiled and permanently attached to pump housing for multifeed Model numbers 0390-(n)

# TECHNICAL DATA



## Model 0390-(n) EZFILL™ Soap Dispenser and Soap Pump for Multifeed System

### Soap Viscosity

100-3800cP (mPa•s)

### Soap pH

5.5 – 8.5

### Soap Type

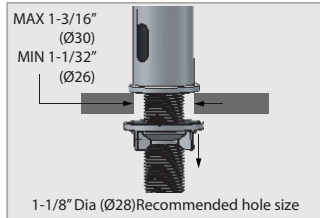
clear liquid no abrasives

# INSTALLATION

## STEP 1 - INSTALLING THE EZFILL™ SOAP DISPENSING SYSTEM SOAP DISPENSER

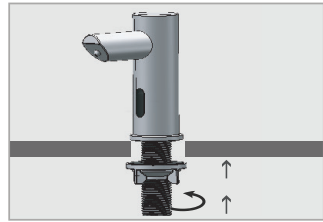
1

Drill a hole in the counter top at the designated location.  
Remove and retain the basin nut and the gasket from the base of the soap dispenser body, sliding completely over and off the soap tube, Com and Power Cables.



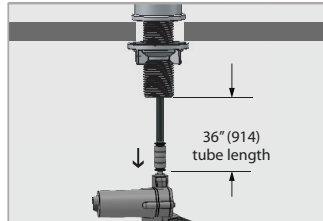
2

Place the soap dispenser shank through the escutcheon flange (with O-ring down) into the hole in the counter top. Slide the gasket, disk and nut over the black soap tube and both cables and thread onto the shank and secure it to deck underside.



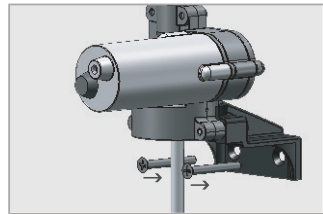
3

Black Nylon 1/4" dia. (Ø6) tube 36" (914) long is supplied permanently attached to dispenser head.  
Assemble the tube to the connector on pump by pushing it on (provided on end of black tube).  
Plug the Com cable into the Socket cable (See Step 8)



4

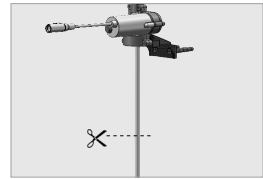
Fix the pump to the desired location by securing the support with the supplied screws.  
For ease of installation preference, optionally swap steps 3 and 4 while ensuring pump is within reach range of Com cable.



# INSTALLATION

5

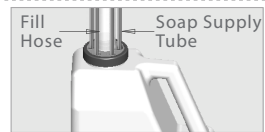
Cut the 5/16" dia (Ø8) soap supply clear tube coming from the EZFILL™ Pump-Motor to the right length as required by the installation.



Make sure the end of the tubes are about 1" (25) longer than required to reach the tank bottom.

6

Connect the EZFill™ Pump-Motor clear 5/16" dia. (Ø8) soap supply tube to any available locking bushing in the soap tank cap (see 0390 OM & IG).



**NOTE:** The Multifeed Kit enables soap distribution for up to six (6) soap dispensers simultaneously. When installing less than a full complement of soap dispensers, make sure to insert and clamp the 5/16" dia x 1" long (Ø8x25) plugs into the remaining empty holes provided.

## CONNECTING THE POWER SOURCE

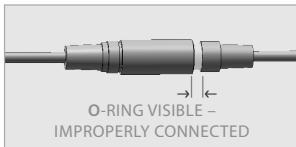
7

Remove the protective sticker covering the sensor. Keep away from the sensor range.



8

Connect the Com Cable motor connector to the mating plug from dispenser (If not already connected in Step 3 above). Please note that since the connector is water proof, some friction will apply.



**Important:** the 4 contacts connector should be inserted fully so that the white O-ring is not visible and a clicking sound is heard.

**NOTICE:** If the 4 contacts connectors are not connected properly, the motor will run continuously.



# INSTALLATION

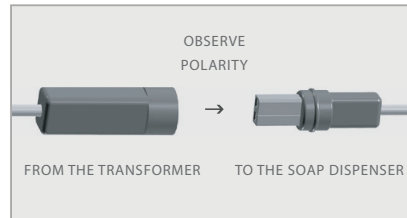
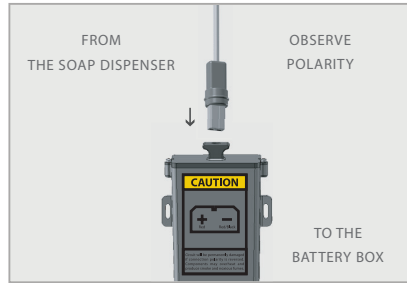
## CONNECTING THE POWER SOURCE

a. For battery versions:  
install the battery box at the wall underneath the sink and connect the battery connector.

Ensure adequate clearance to allow removal of the top cover and the battery carrier tray when battery change is required.

9

b. For AC Adapter versions:  
plug the adapter into the power socket and connect the adapter DC connector.



**NOTICE:** See 0390-TF OM & IG and TDS to fill system with soap. Check for leaks at all liquid connections.

# BATTERY REPLACEMENT INFORMATION

## Battery models only

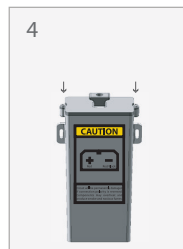
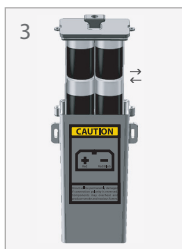
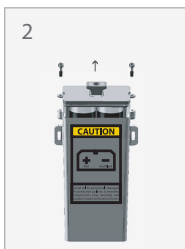
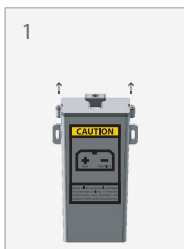
When the batteries weaken, the red indicator light will blink at a constant rate when the user's hands are within the sensor range. The batteries must be replaced within two weeks.

To replace the batteries:

1. Carefully open the battery box, use Phillips drive #2 to remove cover screws (Fig. 1&2, below)
2. Remove the old batteries from carrier tray (Fig. 3)
3. Replace the used batteries with new D batteries in same polarity (Fig. 3)

**NOTE:** Do not mix used batteries with new ones.

4. Close the box and re-tighten the screws (Fig. 4) and reconnect battery cable.



Important: Spent batteries should not be discarded of with normal household waste. Contact your local authority for information on waste disposal and recycling.



## MAINTENANCE

Care and cleaning of chrome and special finishes- see also PCM document.

**DO NOT** use steel wool or cleansing agents containing alcohol, acid, abrasives, or the like. Use of any cleaning or maintenance products containing these substances could damage the surface of the soap dispenser. For surface cleaning use **ONLY** soap and water, then wipe dry with a clean cloth or towel. When cleaning bathroom tiles or counters, protect the soap dispenser from any splattering of harsh cleansers.

# TROUBLESHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION
SOAP QUANTITY DIMINISHED	Low volume dispense	Voltage of batteries is low	Replace batteries
NO SOAP COMING OUT OF THE SPOUT	Red light in the sensor flashes continuously when the user's hands are within the sensor range.	Voltage of batteries likely below 1.47V per cell.	Replace batteries. See page 9.
	No soap dispensed.	Soap level is below supply tube.	Refer to 0390-TF OM and refill the soap tank.
		The soap tank has been filled but soap has not reached the spout.	Press the refill button on the pump until soap starts to come out of the spout again, or press remote "Fill" button.
		The connector between the motor and the dispenser head is not properly engaged.	Connect the Com Cable plug and socket properly so that the white O-ring is not visible. Refer to page 7 instructions.
NO SOAP COMING OUT OF THE SPOUT	Red light in the sensor does not flash (once) When user's hands are within the sensor range.	Sensor is picking up reflections from the washbasin or another object.	Eliminate cause of reflection.
		Connectors between the dispenser head and the pump assembly and/or the power supply are disconnected or not properly connected.	Connect the plugs and sockets correctly.
	Red light flashes (once) and the motor operates.	Batteries are completely depleted.	Replace batteries. See page 9.
Soap solidification at the supply tube.		Fill the tank with warm water at 120~140°F (49-60°C) and run the pump constantly until soap is dispensed.	
SOAP DISPENSING FROM THE SPOUT CONTINUOUSLY	Steady stream of droplets is dispensing.	The Com Cable between the pump assembly and soap dispenser is not connected properly.	Connect the Com Cable plug and socket properly so that the white O-ring is not visible. Refer to page 7 instructions.

# SPARE PARTS LIST

EZFILL™ Multi Feed Kit W/5 Liter Container .....	0390
Mounting Bracket for EZFILL™ Multi Feed Tank .....	0390-BR
EZFILL™ Battery Pack .....	0390-BP
EZFILL™ Battery Pack (0390-BP) Extension Cable/1M Male to Female Connectors .....	0390-EBC
EZFILL™ Remote .....	0390-R
EZFILL™ 6-Liter Plastic Container .....	0391-SCON
EZFILL™ Disc Cover for Top Fill Port .....	0390-TMC

# WARRANTY

We are pleased to offer this warranty covering ASI products furnished for your project.

This warranty replaces any other warranties or product descriptions, whether expressed or implied, written or oral.

It is understood that the products for this project have been selected and inspected by the purchaser, and have been accepted without qualification by the purchaser as merchantable, fit for the intended use, and satisfy the specifications.

**THESE ASI PRODUCTS ARE WARRANTED TO BE FREE OF DEFECTS IN MATERIAL OR WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF INVOICE.**

**BABY CHANGING STATIONS, IF INCLUDED ON THIS PROJECT, ARE WARRANTED TO BE FREE OF DEFECTS IN MATERIAL OR WORKMANSHIP FOR A PERIOD OF FIVE (5) YEARS FROM DATE OF INVOICE.**

**MIRRORS, IF INCLUDED ON THIS PROJECT, ARE WARRANTED AGAINST SILVER SPOILAGE UNDER NORMAL INDOOR ATMOSPHERIC CONDITIONS FOR A PERIOD OF FIFTEEN (15) YEARS FROM DATE OF INVOICE.**

**DRYER MODELS IF INCLUDED ON THIS PROJECT ARE WARRANTED TO BE FREE OF DEFECTS IN MATERIAL OR WORKMANSHIP FOR A PERIOD BETWEEN FIVE (5) AND TEN (10) YEARS, FROM DATE OF INVOICE. PLEASE REFER TO INDIVIDUAL TECHNICAL DATA SHEET FOR DRYER WARRANTY.**

**EZ FILL™ SOAP DISPENSER WILL BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP DURING NORMAL USE FOR (2) TWO YEARS FROM THE DATE OF INVOICE.**

Should the product fail under this warranty, the sole remedy, at the seller's option, will be to repair the defective product, refund the purchase price, provide an equivalent new or refurbished product or provide parts only.

ASI AND/OR SELLER DISCLAIM ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. This warranty excludes product damage due to incorrect installation, improper maintenance, wear and tear, battery spoilage, product abuse, or product misuse, whether performed by a contractor, service company, or the consumer.

ASI will not be responsible for labor costs associated with the removal, replacement, repair by others, reinstallation, renovation or return of its products.

Model 0390-R



EZFILL™ REMOTE CONTROL

REMOTE CONTROL FOR ALL MODELS  
0390-(n) AND 0391-(n) AUTOMATIC  
VANITY MOUNTED SOAP DISPENSERS

INSTALLATION AND MAINTENANCE GUIDE



# OPERATION





If desired, use the remote control to adjust the soap dispenser settings. Hold the remote control straight in front of the sensor at a distance of about 4-6" (10-15cm).

User Hint: Holding the soap dispenser remote control out of the recommended range (too close or too far) may interfere with the remote's activation.

Choose the function you want to adjust by pressing on the function button as follows:\*

## 1- SOAP VOLUME

The 1-4 drop keys allow the owner to control the desired soap dispense volume.

 1	.004 to .013 oz (0.2 to 0.4 ml)	 2	.023 to .030 oz (0.7 to 0.9 ml)	 3	.041 to .054 oz (1.2 to 1.6 ml)	 4	.071 to .078 oz (2.1 to 2.3 ml)
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Confirmation: continuous blink of the red light in the sensor eye.

\*The exact soap dispense volume depends on the soap viscosity. Factory setting is 0.03 oz (0.8 ml).

## 2- ADJ

This function allows reverting to soap dispense volume factory setting.

Confirmation: 2 blinks of the red light in the sensor eye.

## 3- TEMPORARY OFF FUNCTIONS

This function is ideal to perform any kind of activity in front of the sensor without operating the system (for example, cleaning). The soap dispenser will remain off for one (1) minute when this button is pressed once.

To cancel this function and to return to normal operation press the On/Off button again or wait one (1) minute.

Confirmation: OFF – 2 fast blinks, ON – 4 fast blinks

## 4- STARTING SOAP LINE AFTER REFILLING SOAP TANK

Once the soap tank has been filled \ re-filled, press the FILL button. The pump will run for one (1) minute to allow the soap to start coming out of the soap dispenser spout.

To stop this activity press the FILL button again. If the soap has not started coming out of the spout, check for leaks and / or kinked or blocked or disconnected tubing. If all ok, then press the FILL button again.

Repeat as necessary.

