



INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

1455 Kleppe Lane ♦ Sparks, NV 89431-6467 ♦ (775) 359-4712 ♦ Fax (775) 359-7424

E-mail: Info@hawsco.com ♦ website: www.hawsco.com

No. 0510001210 (2)

Model 1117LNHO/1117LNHO2 Drinking Fountain

NOTE TO INSTALLER: Please leave this information with the Maintenance Department.

CAUTION! Prior to making any electrical connections, verify with a voltmeter that power from the service panel is **off**.

LIMITED WARRANTY

HAWS warrants that all of its products are guaranteed against defective material or poor workmanship for a period of **one year from the date of shipment**. The foregoing notwithstanding, HAWS warrants certain specific products or components thereof for an adjusted period. A list of these excepted products and components and a description of their respective warranty terms may be found here: www.hawsco.com/warranty. HAWS' liability under this warranty shall be discharged by furnishing without charge F.O.B. HAWS factory any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first-class workmanship, provided that a claim is made in writing to Company within a reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the Company, prepaid, for inspection. HAWS shall not be liable for the cost of repairs, alterations or replacements, or the labor required to implement them, or for any expense connected therewith made by the owner or owner's agents, except upon written authority from HAWS. HAWS shall not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that HAWS has made no other warranties either express or implied in addition to those above stated, except that of title with respect to any of the products or equipment sold hereunder and that HAWS shall not be liable for general, special, incidental, or consequential damages claimed to arise under the contract of sale.

Equipment manufactured by HAWS is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended. Any HAWS emergency equipment is intended to supplement first-aid treatment. Due to widely varying conditions, HAWS cannot guarantee that the use of this emergency equipment will prevent serious injury or the aggravation of existing or prior injuries.

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SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL PLEASE CALL:

TECHNICAL SUPPORT: 1-800-766-5612
FOR CUSTOMER SERVICE: 1-888-640-4297

RECOMMENDED TOOLS: Hack saw, pipe joint sealant, screwdriver, level, 12" adjustable wrench, 10" pipe wrench, 5/64" hex key wrench, 9/16", 1/2", 7/16" socket wrench or open-end wrench.

LOCATION OF UNIT: The Model 1117LNHO/1117LNHO2 Drinking Fountain is a wheelchair accessible drinking facility. The height dimensions shown, meet current ADA requirements. When installing this unit, local, state or federal codes should be adhered to. If height other than shown is required, then dimensions must be adjusted accordingly.

SUPPLY LINE: The minimum recommended line size is 1/2"IPS with 30-90 psi (2-6 ATM) flowing pressure. Where sediment or mineral content is a problem, an inlet filter is recommended.

PLUMBING CONNECTIONS: Inlet is 3/8" O.D. push-in type fitting. Waste outlet is female 1-1/4" NPT.

ELECTRICAL CONNECTIONS: Drinking Fountain may be mounted on external wall of building provided transformer shall be mounted inside the wall and protected from water as shown on RKHO Series O&M details (page 8) per NEC/CEC and local code.

Sensor(s):

1117LNHO with 1RKHO.H: 100-277VAC x 9VDC, 50-60Hz, 5 Watts.

1117LNHO2 with 2RKHO.H: 100-277VAC x 9VDC, 50-60Hz, 5 Watts.

MAINTENANCE: Periodically clean out the supply line Y-strainer (and strainer located inside push button valve on Model 1117LNHO). Refer to 5874 Series Valve Manual for more information.

INSTALLATION PROCEDURE

GENERAL NOTES:

1. For all plastic push-in type fitting connections, only connect NSF-61 copper or plastic tubing. Stainless steel or glass tubing is not recommended. The following assembly instructions must be followed to ensure a watertight connection:
 - a. Cut tubing square and clean.
 - b. Mark from end of tube the length of insertion (See table below).
 - c. Push tube into the fitting until it bottoms out.
 - d. To remove, depress collet and pull tubing out.

Tube Sizes	O.D. Tolerance	Insertion Depth
3/8"	±.005"	3/4"

INSTALLATION PROCEDURE...

STEP 1: Thoroughly flush supply line to remove all foreign matter. Connect 1/2" IPS supply screwdriver-stop (not supplied). Install supply 3/8" O.D. tubing (supplied), between screwdriver-stop and supplied Y-strainer. (Cut tubing to proper length and follow general notes for proper connection procedures for push-in type fittings). Connect 3/8" O.D. tube between supplied tee and fountains and solenoid valve outlet(s) (if not already connected). See installation drawings (pages 6 & 7) towards the end of this manual for supply plumbing and wiring details.

STEP 2: Open screwdriver-stop **wide open** while checking for leaks at all connections. Also, check waste for leaks.

STEP 3: Model 1117LNHO (only): 5874 Series Valve – Adjust bubbler stream height using a small flat-head screwdriver inserted through a hole in the center of the push button for increased flow turn clockwise and for decreased flow turn counterclockwise. If flow problems arise, see troubleshooting guide for additional instructions to correct problem. Bubbler stream may lower during short break-in period. Set initial stream height a little high to minimize or eliminate the need for break-in period readjustment.

Model 1117LNHO/1117LNHO2: 5867 Valve Pressure Regulator – Adjust bubbler stream height using the black pressure regulator mounted inside bracket that has HO sensor unit, by loosening the locknut and rotating the knob clockwise to increase flow or counterclockwise to reduce flow. Tighten the locknut and check flow height. Repeat these steps until the bubbler flow height is correct.

STEP 4: 1RKHO.H & 2RKHO.H Transformer and Sensor Setup: Refer to the 1RKHO.H & 2RKHO.H manuals for instructions (supplied).

MAINTENANCE

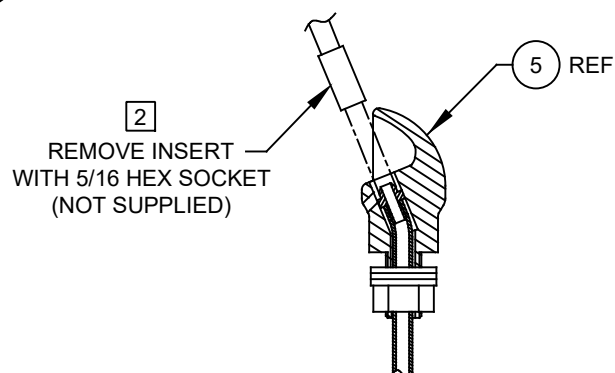
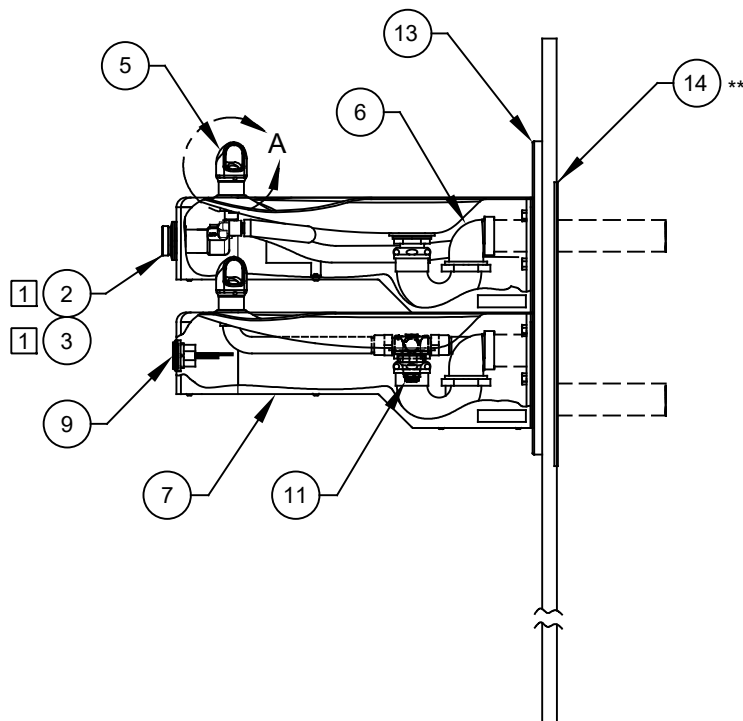
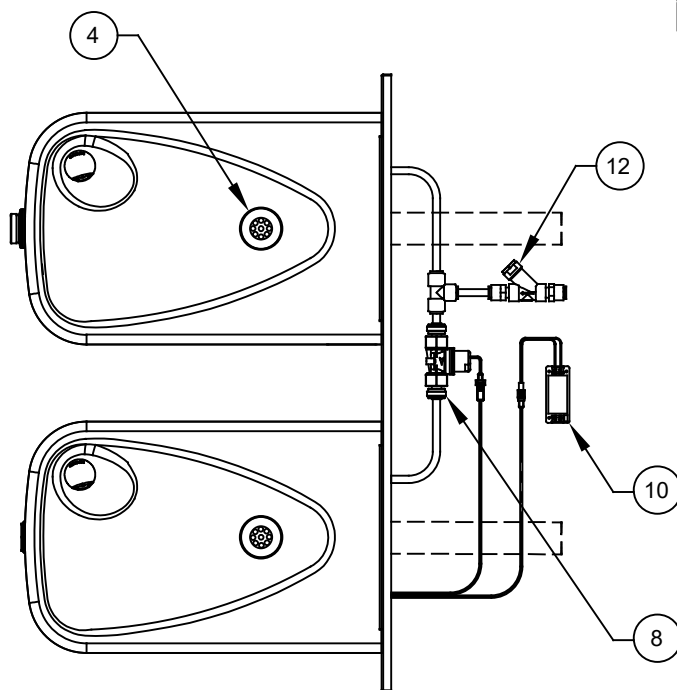
STEP 1: Periodically clean out the supply line Y-strainer and the strainer located in the push button valve body on Model 1117LNHO (Refer to 5874 Series Valve Manual for more information).

TROUBLESHOOTING	
PROBLEM	REPAIR CHECKLIST
1. Insufficient bubbler flow.	<ul style="list-style-type: none">1a. Check that inlet screwdriver stop valve is wide open. Turn counterclockwise.b. Verify minimum 30 psi flowing supply pressure.c. Clean strainer. See 5874 Series Valve Manuald. Adjust valve to increase flow. Use front adjust screw or see 5874 Series Valve Manual.

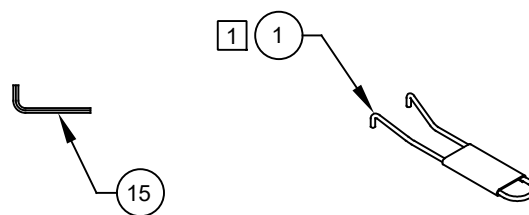
For more information about Haws products, see our website: www.hawscos.com

ITEM	DESCRIPTION	PART NO.
1	1	SPANNER WRENCH
1	2	BUTTON, PUSH, FLANGED, ASSY
1	3	VALVE REPAIR KIT
4	4	STRAINER ASSY
5	5	BUBBLER HEAD
6	6	TRAP LOW PROFILE
7	7	BOTTOM PLATE
8	8	SOLENOID VALVE
9	9	SENSOR
10	10	TRANSFORMER
11	11	PRESSURE REGULATOR
12	12	Y-STRAINER
13	13	BACK PANEL
**	14	MOUNTING PLATE
15	15	KEY HEX F/PINNED HEX

** OPTIONAL



DETAIL A
ROTATED 90° INTO VIEW



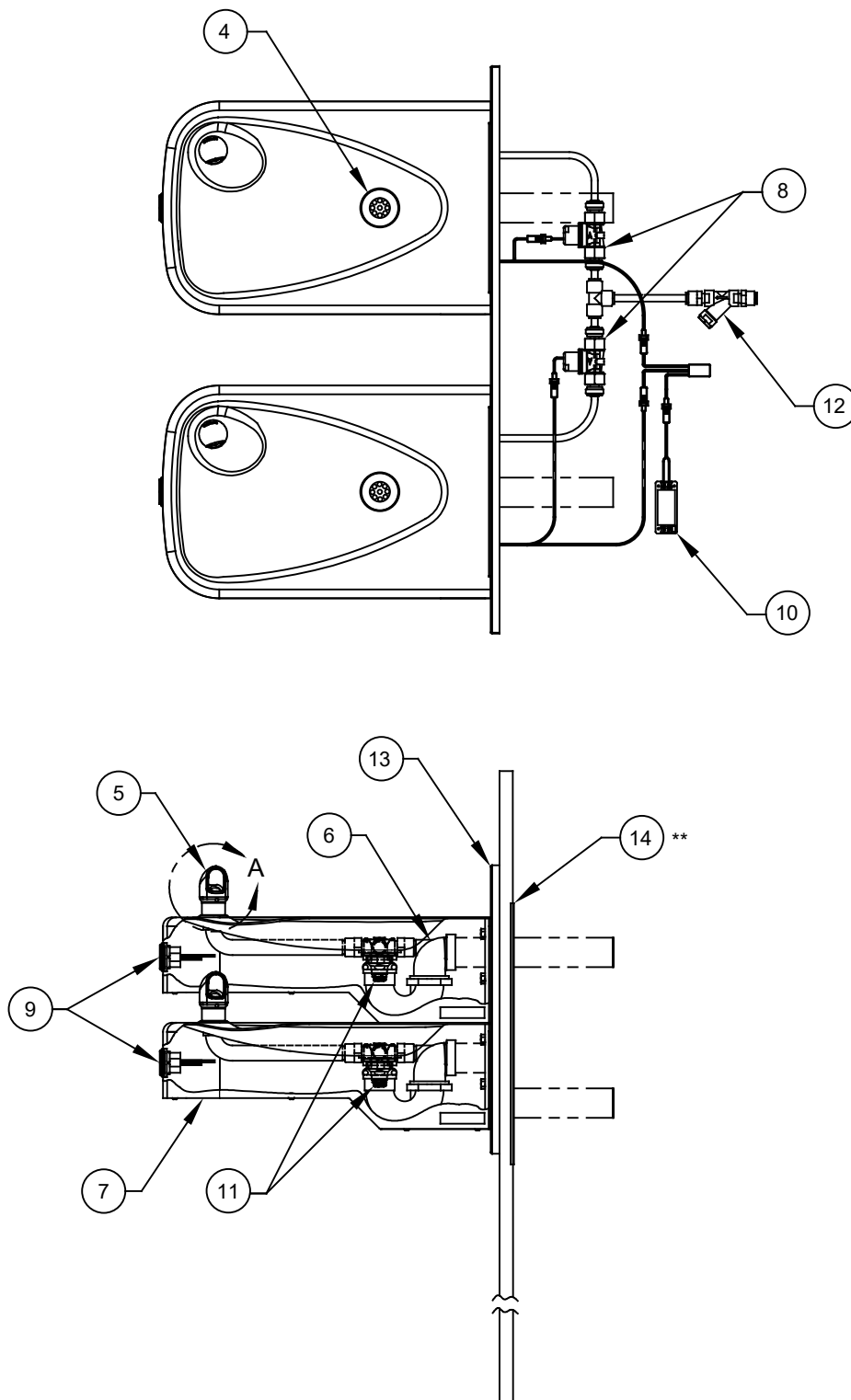
NOTES:

- ITEMS 1, 2 AND 3 ARE ONLY USED ON MODEL 1117LNHO.
- ENSURE TUBE IS DISCONNECTED FROM PUSH BUTTON VALVE BODY PRIOR TO REMOVAL. APPLY ONE DROP OF LOCTITE 222MS TO NOZZLE THREADS PRIOR TO FASTENING BACK ONTO BUBBLER HEAD. RE-ATTACH TUBE TO VALVE.

1117LNHO SHOWN 1117LNHO2 ON SHEET 2 PARTS BREAKDOWN


WHEN ORDERING PARTS PLEASE SPECIFY MODEL NUMBER.

				1455 KLEPPE LANE SPARKS, NEVADA 89431 (775) 359-4712 FAX (775) 359-7424 E-MAIL: HAWS@HAWS.CO.COM WEBSITE: WWW.HAWS.CO.COM			
ECN NO. 5713	REVISED PER ECN: 5893	BY FV	MODEL(S) 1117LNHO/1117LNHO2	PART NUMBER 0510001210			
DRAWN FV	DATE 07/28/21	CHKD KM		REVISION 2			
APPROVED FV	DATE 09/06/23		SCALE: 1:1	DRAWING TYPE: PARTS BREAKDOWN	SIZE: A	SHEET 1 OF 2	2



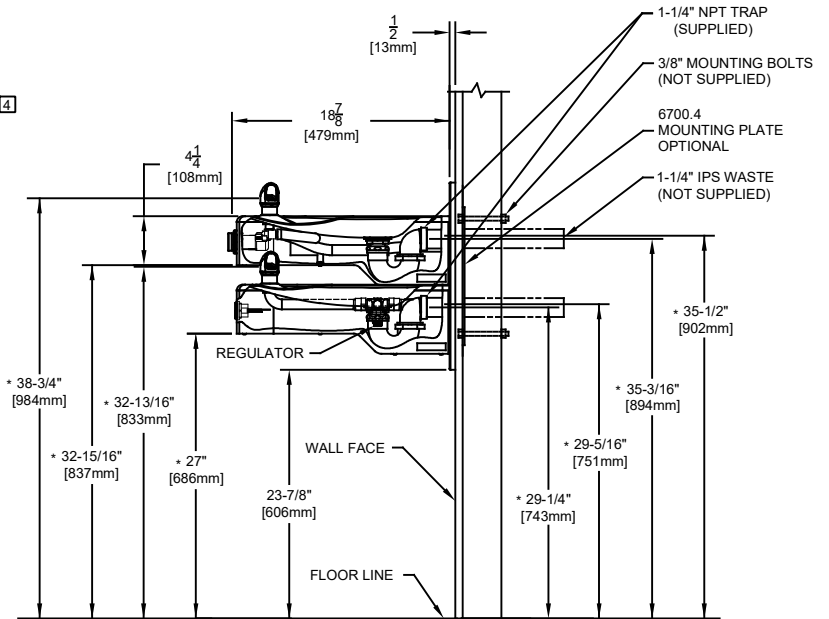
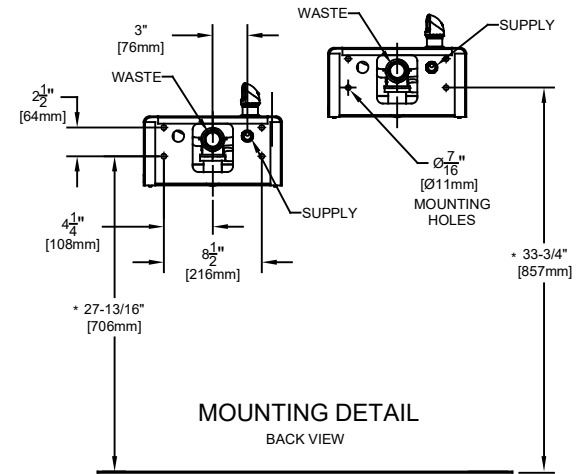
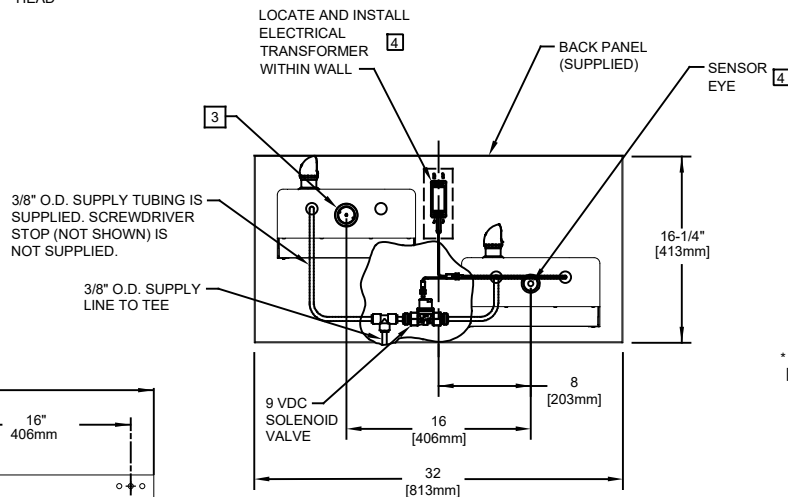
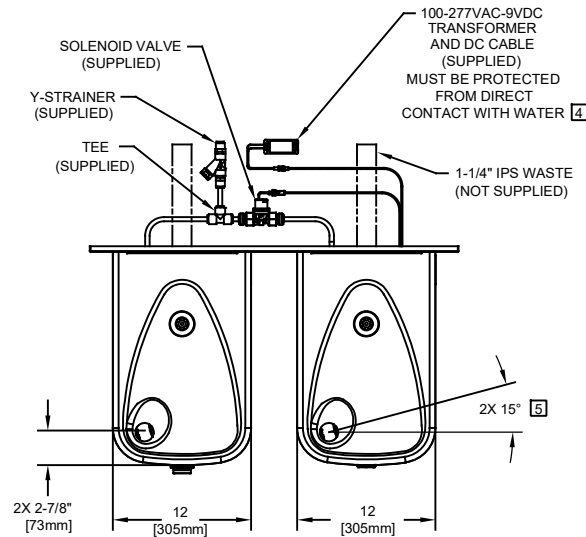
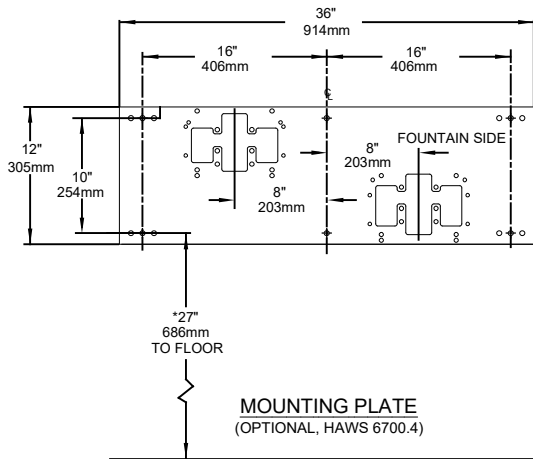
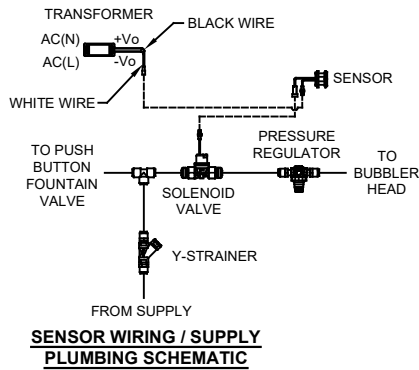
PARTS BREAKDOWN

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DRAWN FV	DATE 07/28/21	CHKD KM			REVISION 2		
APPROVED FV	DATE 09/06/23			SCALE: 1:1	DRAWING TYPE: PARTS BREAKDOWN	SIZE: A	SHEET 2 OF 2

NOTES:

1. HOLD ROUGH-IN DIMENSIONS $\pm \frac{1}{8}$ " (3.2MM).
2. WHEN INSTALLING THIS UNIT, LOCAL, STATE, OR FEDERAL CODES SHOULD BE ADHERED TO. FOR INSTALLATION HEIGHTS OTHER THAN SHOWN, DIMENSIONS MARKED (*) MUST BE ADJUSTED ACCORDINGLY.
3. REFER TO 5874 SERIES OPERATION AND MAINTENANCE MANUAL FOR PUSH BUTTON AND VALVE INSTALLATION/MAINTENANCE INSTRUCTIONS.
4. REFER TO 1RKHO OR 2RKHO SERIES OPERATION INSTRUCTONS FOR TRANSFORMER AND SENSOR SETUP.
5. MAXIMUM ADJUSTABLE RANGE IS 15° FROM PARALLEL TO BACK WALL.

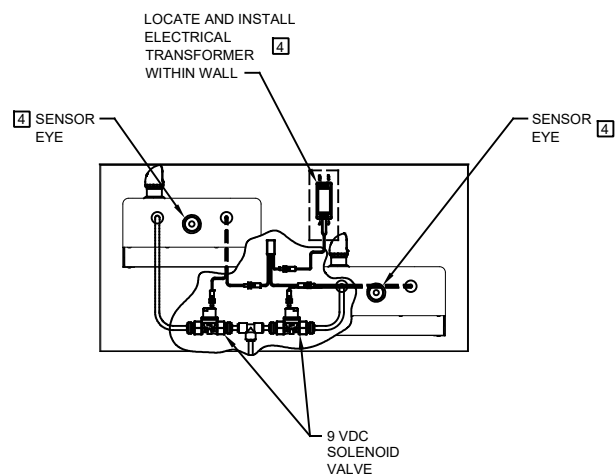
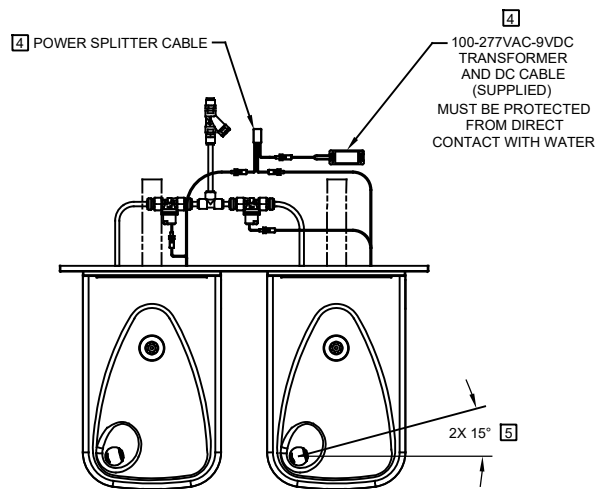


MODEL 1117LNHO SHOWN
MODEL 1117LNHO2 ON SHEET 2
(ROUGH-IN DIMENSIONS APPLY TO BOTH MODELS)
SEE SHEET 3 FOR OPTIONAL
1920/1920HO BOTTLE FILLER WATER
DISPENSER, SHOWN INSTALLED OVER
MODEL 1117LNHO /1117LNHO2

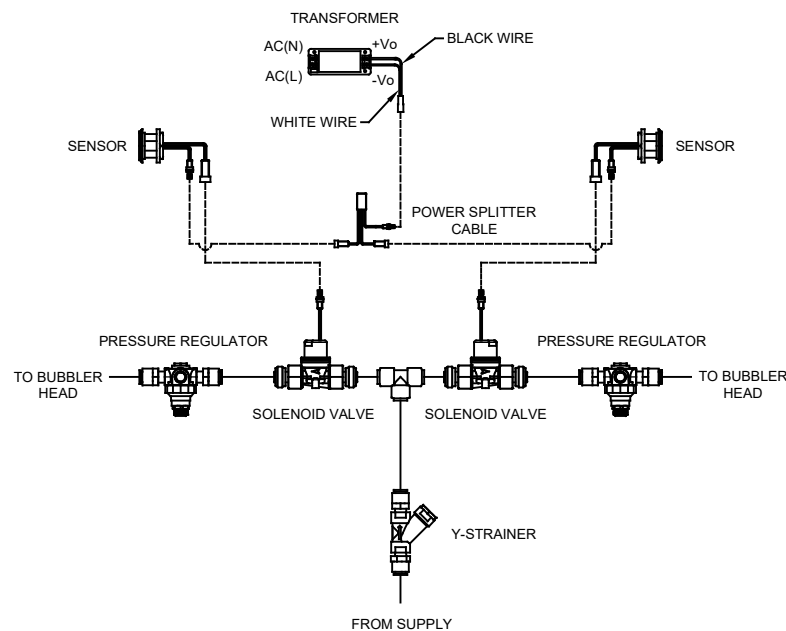


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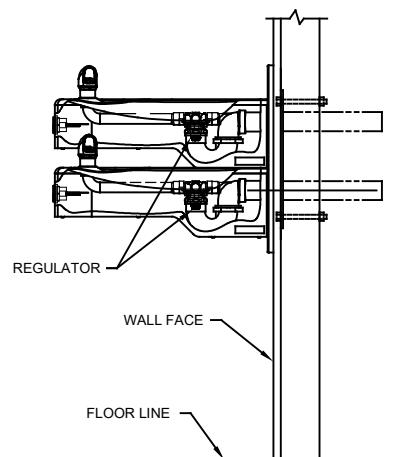
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DRAWN: FV	DATE: 07/28/21	CHK'D: KM	1117LNHO/1117LNHO2	0510001210.D
APPROVED: FV	DATE: 09/06/23		SCALE: 1:2	REVISION 2
			DRAWING TYPE: INSTALLATION	SHEET 1 OF 3



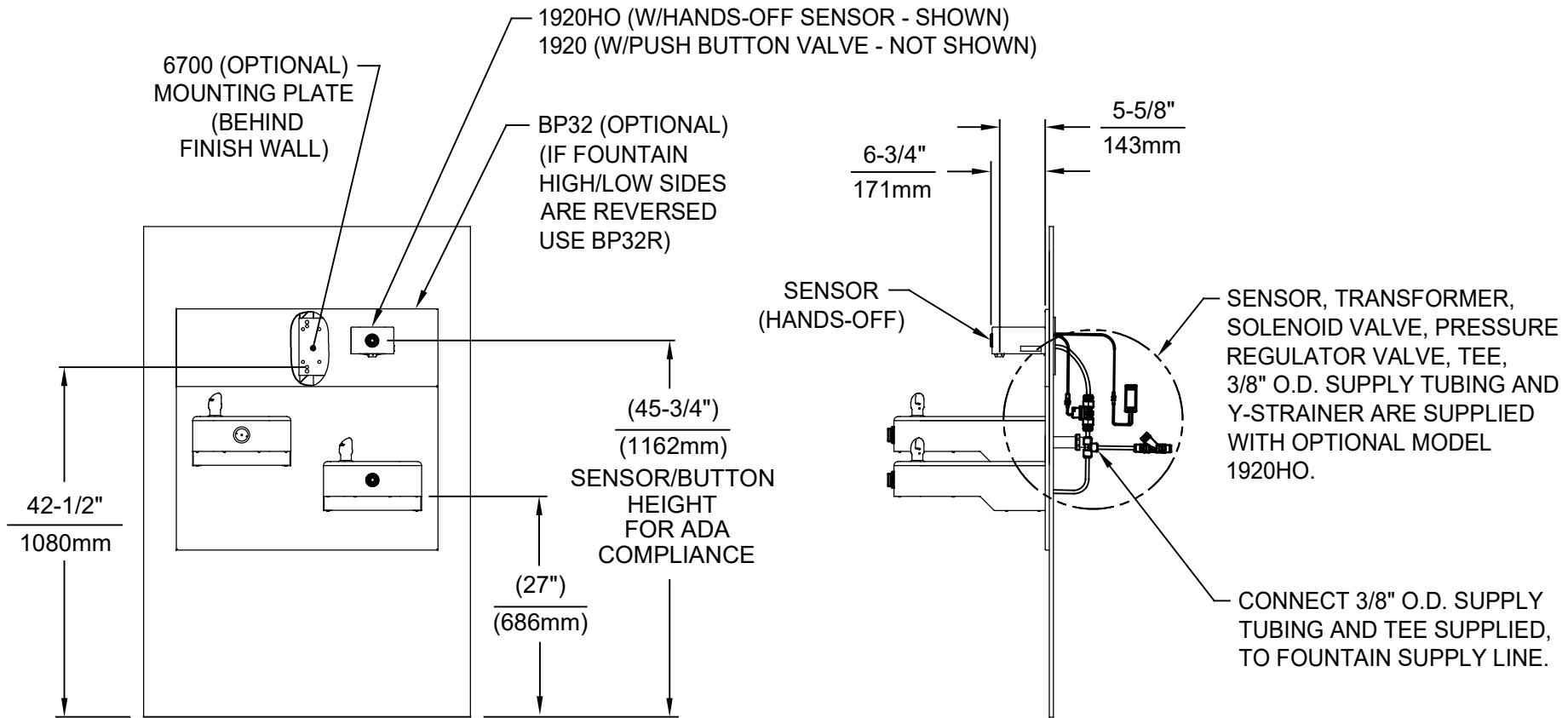
MODEL 1117LNHO2 SHOWN
MODEL 1117LNHO ON SHEET 1
(SEE SHEET 1 FOR APPLICABLE ROUGH-IN DIMENSIONS)
SEE SHEET 3 FOR OPTIONAL
1920/1920HO BOTTLE FILLER WATER
DISPENSER, SHOWN INSTALLED OVER
MODEL 1117LNHO/1117LNHO2



**SENSOR WIRING / SUPPLY
PLUMBING SCHEMATIC**



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DRAWN: FV	DATE: 07/28/21	CHK'D: KM	APPROVED: FV	DATE: 09/06/23	SCALE: 1:2	DRAWING TYPE: INSTALLATION	REVISION 2
				SIZE: A	SHEET 2 OF 3		



OPTIONAL 1920/1920HO BOTTLE FILLER WATER DISPENSER
(1920HO SHOWN) INSTALLED OVER 1117LNHO (SHOWN)/1117LNHO2 (NOT SHOWN)
(SEE 1920 SERIES OPERATION AND MAINTENANCE MANUAL FOR COMPLETE DETAILS)
SEE SHEETS 1 & 2 FOR 1117LNHO & 1117LNHO2 ROUGH-IN DIMENSIONS

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ECN NO. 5893	REVISED PER ECN: 5893	BY: FV	MODEL(S) 1117LNHO/1117LNHO2			PART NUMBER 0510001210.D	
DRAWN: FV	DATE: 07/31/23	CHK'D: KM				REVISION 2	
APPROVED: FV	DATE: 09/06/23	SCALE: N/A DRAWING TYPE: INSTALLATION			SIZE: A SHEET 3 OF 3		