



# model 2RKHO.H

## Fountain HO Sensor and Solenoid Valve Retrofit Kit

### FEATURES & BENEFITS

#### ACTIVATION

Sanitary activation for enhanced hygienic hydration in public places where pushing a valve button is not recommended.

#### SENSOR

Mechanical valve is replaced by infrared sensor technology for reliable operation.

#### TOUCHLESS OPERATION

Touchless electric sensor allows for hands-free operation with a simple front motion, eliminating the need for manual activation.

#### INSTALLATION

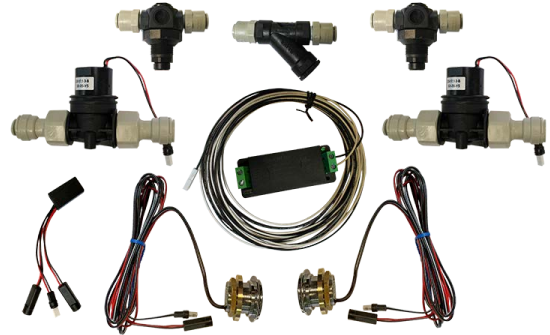
Easy to follow instructions provides quick in-field installation to change a fountain or bottle filler to sensor operation.

#### SYSTEM CERTIFIED

System is certified to NSF61 and the California health and safety code 116875 (AB 1953).

#### TAMPER RESISTANT

30-second obstruction time-out to reduce tampering of sensor.



### SPECIFICATIONS

The Haws 2RKHO.H sensor retrofit kit includes two electric solenoid valves controlled by sensors that will convert most Haws standard push button operated wall-mounted dual station drinking fountains, or a single fountain-1920 bottle filler combination to be a touchless system which allows these products to have motion-activated operation. Each kit contains touchless sensors with 30-second obstruction time-out that activates a stainless steel solenoid valve to start the flow of water, valve regulators to control the amount of water delivered to the fountain or bottle filler, and a hard-wired in transformer (mounted inside a wall, away from water). Not intended for freeze-resistant models.

**FOR INDOOR USE ONLY**

### APPLICATIONS

Specifically, this kit will work with Haws Models: 1011, 1011HPS, 1011HPSMS, 1011MS, 1117L, 1117LN, 1119, 1119.14, 1409, 1430, 1431, 1441, 1501, H1011.8, H1011.8HPS, H1117.8 and H1119.8. This kit can also be used with the single fountain-1920 bottle filler combination models (not intended for freeze-resistant models). Haws manufactures drinking fountains, faucets and electric water coolers to be lead-free by all known definitions including NSF/ANSI/CAN 61- Section 9, NSF/ANSI/CAN 372, California Proposition 65, and the Federal Safe Drinking Water Act. Product is compliant to California Health and Safety Code 116875 (AB 1953-2006), and NSF/ANSI/CAN 61: Q ≤ 0.5.



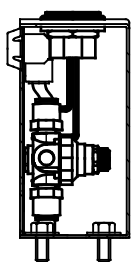
### OPTIONS

For more information, visit [www.hawsc.com](http://www.hawsc.com) or call (888) 640-4297.

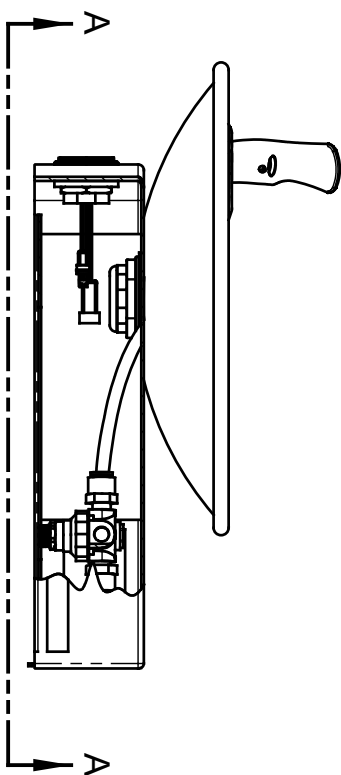
NOTES:

- 2RKHO.P AND 2RKHO.H RETROFIT KITS ALLOW INDOOR FOUNTAINS TO BE CONVERTED FROM A HAWS 5874 PUSH BUTTON VALVE TO HANDS-OFF (TOUCHLESS) OPERATION. FOUNTAINS (NOT SUPPLIED) MAY BE MOUNTED ON THE EXTERNAL WALL OF A BUILDING PROVIDED THE TRANSFORMER SHALL BE MOUNTED INSIDE THE WALL AND PROTECTED FROM WATER AS SHOWN IN THIS INSTALLATION PER NEC/CEC AND LOCAL CODE. AVOID DIRECT CONTACT WITH SUNLIGHT ON THE SENSOR LENS.
- RETROFIT KIT MODEL:  
2RKHO.P: INDOOR HO RETRO-FIT KIT (INCLUDES 2X HO SENSOR WITH MOUNTING HARDWARE, 2X SOLENOID VALVE, 2X REGULATOR, WIRE SPLITTER, AND 100-240V PLUG-IN TRANSFORMER - SEE SHEET 2).  
2RKHO.H: INDOOR HO RETRO-FIT KIT (INCLUDES 2X HO SENSOR WITH MOUNTING HARDWARE, 2X SOLENOID VALVE, 2X REGULATOR, WIRE SPLITTER, AND 100-277V HARDWIRE TRANSFORMER - SEE SHEET 3).
- 2RKHO.P REQUIRES 100-240VAC POWER CONNECTION. 2RKHO.H REQUIRES 100-277V POWER CONNECTION.
- TRANSFORMERS MUST BE MOUNTED SUCH THAT THEY ARE PROTECTED FROM WATER.
- 2RKHO.P TRANSFORMER IS COMPATIBLE WITH TYPE A AND TYPE B NORTH AMERICAN ELECTRICAL OUTLETS. FOR OTHER RECEPTACLE TYPES, AN ADAPTER (NOT SUPPLIED) MUST BE PROVIDED BY OTHERS.

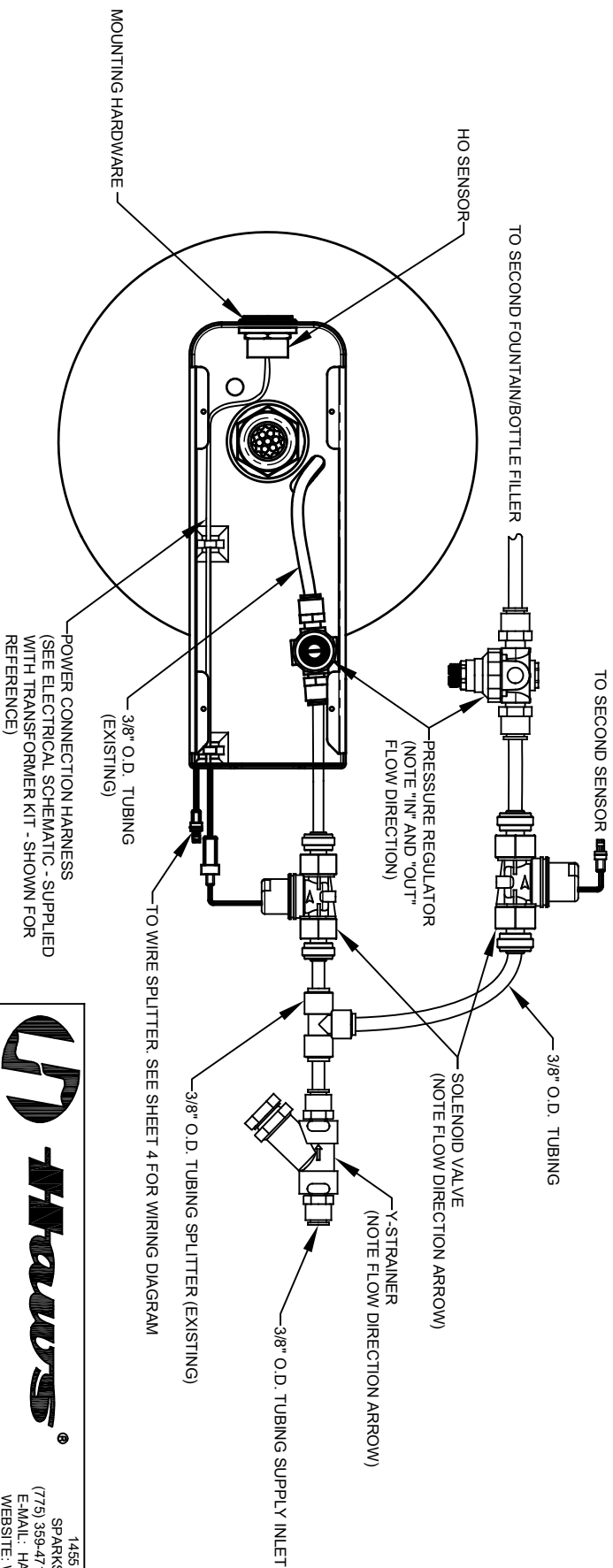
(NOTES CONTINUED ON SHEET 4)



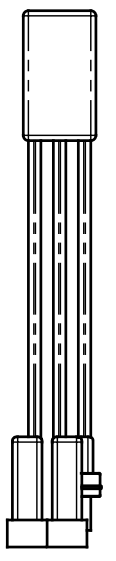
EXAMPLE 1920 BOTTLE FILLER INSTALLATION



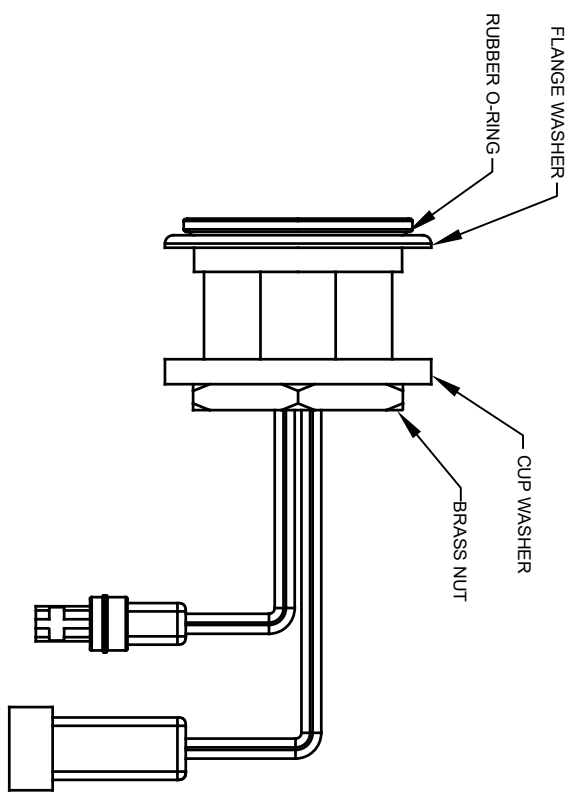
EXAMPLE 1011 FOUNTAIN INSTALLATION



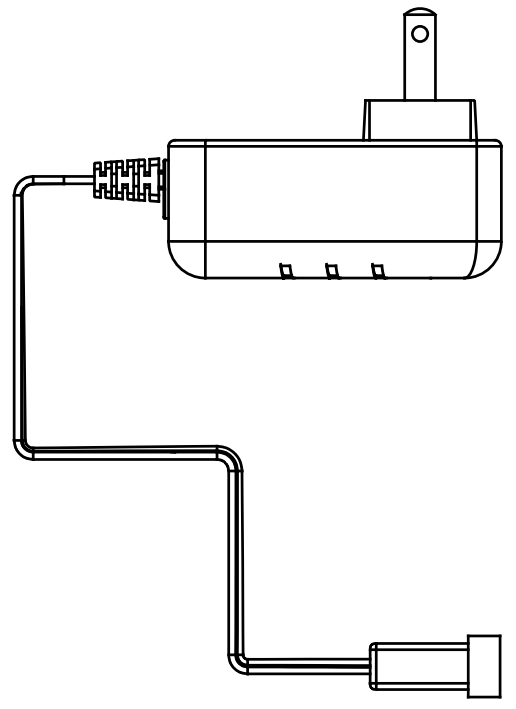
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5849	ECN: 5749	02/10/21	EV		
<b>APPROVED:</b>		<b>SCALE:</b>		<b>DRAWING TYPE:</b>	
BIM	10/28/21	N/A		INSTALLATION	
<b>1456 KLEPPE LANE</b>		<b>SPARKS, NEVADA, 89431</b>		<b>PART NUMBER</b>	
<b>(775) 359-4712</b>		<b>FAX (775) 359-7424</b>		<b>0580001156.D</b>	
<b>E-MAIL: HAWS@HAWS.CO.COM</b>		<b>WEBSITE: WWW.HAWS.CO.COM</b>		<b>REVISION</b>	
				<b>4</b>	
				<b>SHEET 1 OF 4</b>	



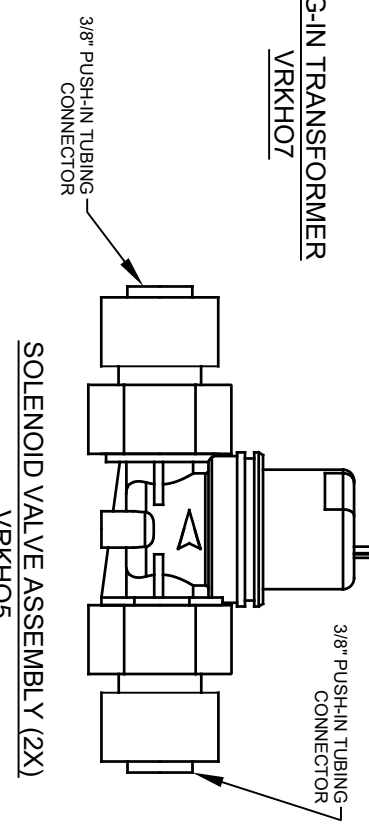
DUAL POWER SPLITTER



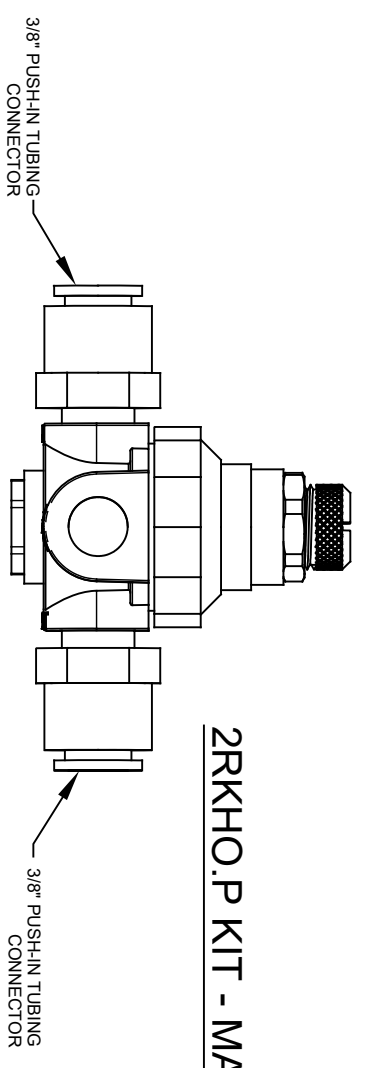
HO SENSOR ASSEMBLY (2X)  
VRKH06



PLUG-IN TRANSFORMER  
VRKH07

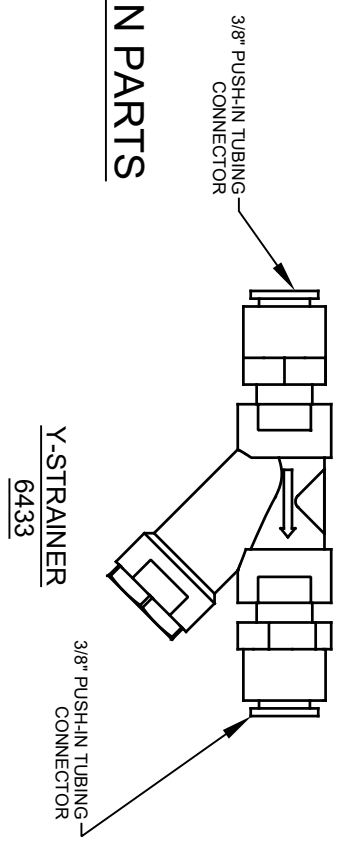


SOLENOID VALVE ASSEMBLY (2X)  
VRKH05



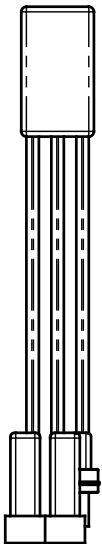
VALVE REGULATOR (2X)  
5867

2RKHO.P KIT - MAIN PARTS

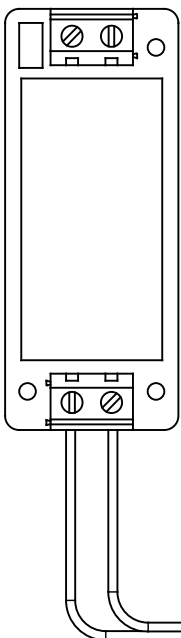


Y-STRAINER  
6433

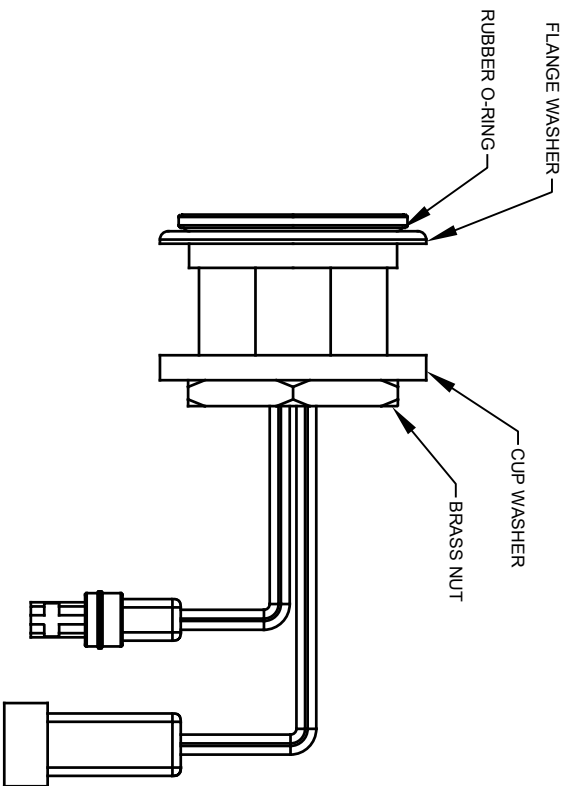
		<b>Haws</b>	
1459 KLEPPE LANE SPARKS, NEVADA 89431 (775) 359-4712 FAX (775) 359-7424 E-MAIL: HAWS@HAWS.CO.COM WEBSITE: WWW.HAWS.CO.COM			
ECN NO. REVISED PER BY:	MODEL(S)	PART NUMBER	
5849 5849	2RKHO.P / 2RKHO.H	0580001156.D	
DATE: 02/10/21	DATE: 02/10/21	REVISION:	4
CHKD: BLM	CHKD: BLM	REVISION:	4
DATE: 10/28/21	DATE: 10/28/21	REVISION:	4
APPROVED: BLM	SCALE: N/A	DRAWING TYPE:	INSTALLATION
DUAL HANDS-OFF RETRO-FIT KIT			



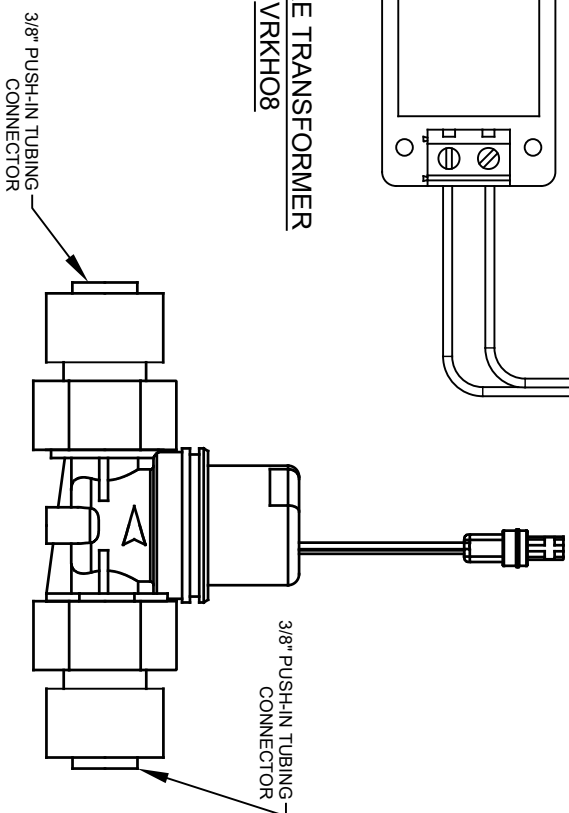
DUAL POWER SPLITTER



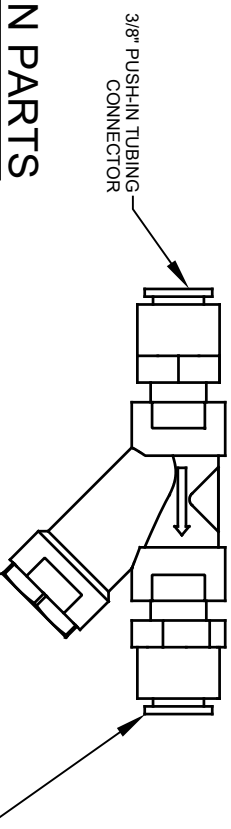
HARDWARE TRANSFORMER  
VRKH08



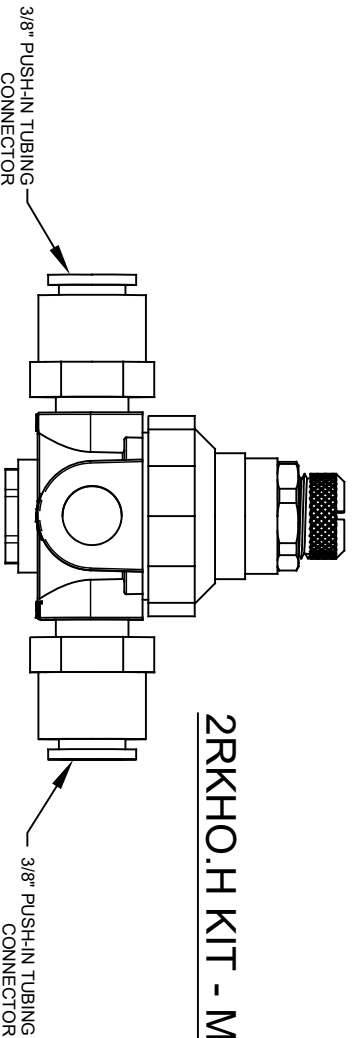
HO SENSOR ASSEMBLY (2X)  
VRKH06



SOLENOID VALVE ASSEMBLY (2X)  
VRKH05



Y-STRAINER  
6433



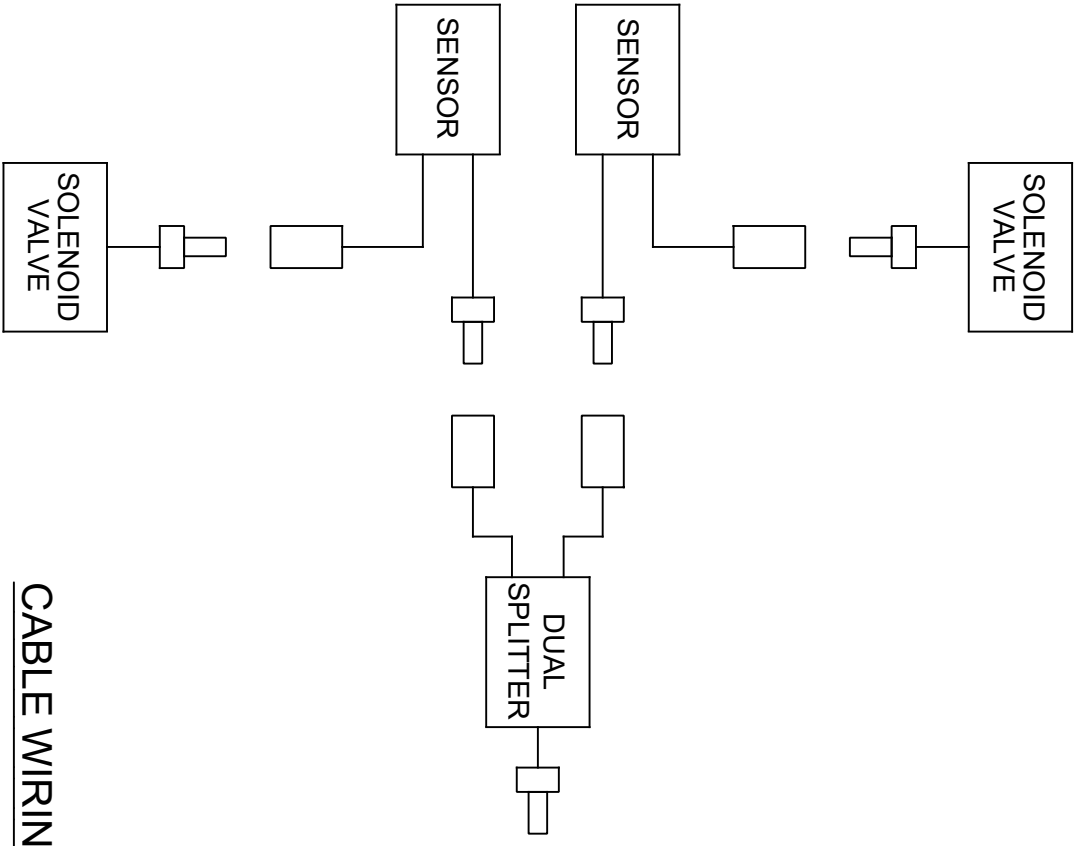
VALVE REGULATOR (2X)  
5867

2RKHO.H KIT - MAIN PARTS

		<b>Haws</b>	
1456 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. REVISED PER BY: 5849 B.M.	DATE: 02/10/21	CHK'D: F.V.	DATE: 10/20/21
APPROVED: B.M.	SCALE: N/A	DRAWING TYPE: INSTALLATION	SIZE: A
MODEL(S) 2RKHO.P / 2RKHO.H		PART NUMBER 0580001156.D	
DUAL HANDS-OFF RETRO-FIT KIT		REVISION: 4	
DRAWING TYPE: N/A		SHEET 3 OF 4	

NOTES (CONTINUED FROM SHEET 1):

- 6. 2RKHO.H TRANSFORMER WIRE RANGE: 24-12 AWG  
2RKHO.H TRANSFORMER TIGHTENING TORQUE: MAX 0.4 N\*m

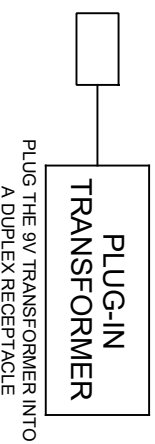


**CABLE WIRING SCHEMATIC**

**2RKHO.H TRANSFORMER**



WIRE THE HARDWARE TRANSFORMER TO APPROPRIATE POWER PER NEC/CEC AND LOCAL CODE. IF NEEDED, ENCLOSE TRANSFORMER IN OUTLET BOX (NOT SUPPLIED).



PLUG THE 9V TRANSFORMER INTO A DUPLEX RECEPTACLE

**2RKHO.P TRANSFORMER**



**Haws**

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ECN NO. REVISED PER BY:	5849	ECN: 5749	DATE:	02/10/21	CHK'D:	FV	DATE:	10/20/21	SCALE:	N/A	DRAWING TYPE:	INSTALLATION	SIZE:	A	SHEET:	4	OF:	4
MODEL(S)	2RKHO.P / 2RKHO.H																	
DRAWN:	DUAL HANDS-OFF RETRO-FIT KIT																	
APPROVED:																		
PART NUMBER	0580001156.D																	
REVISION	4																	