



INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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No. 2080216(4)

Model 9001DPDT Alarm

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

LIMITED WARRANTY

HAWS® warrants that all of its products are guaranteed against defective material or poor workmanship for a period of **one year from date of shipment**. 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 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 will not be liable for the cost of repairs, alterations or replacements, or for any expense connected therewith made by the owner or his agents, except upon written authority from HAWS, Sparks, Nevada. HAWS will 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 expressed 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, or consequential damages claimed to arise under the contract of sale.

The emergency 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, which they were intended. This product 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.

NO OTHER WARRANTIES EXPRESSED OR IMPLIED ARE AUTHORIZED, PROVIDED OR GIVEN BY HAWS.

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

1-800-766-5612

FOR PARTS CALL:

1-800-758-9378

**(U.S.A. AND CANADA ONLY) MONDAY-THURSDAY: 6:00 A.M. – 4:00 P.M. PST
FRIDAY: 6:00 A.M – 1:00 P.M. PST**

RECOMMENDED TOOLS: Pipe joint sealant, screwdriver, pipe wrench, 14 AWG wire, 3/4" conduit and basic electricians' tools for power connection.

LOCATION OF UNIT: The Model 9001DPDT Alarm may be mounted directly to the upper stand pipe of a safety shower or wall mounted next to a shower or eyewash. The alarm should be clearly visible from several directions.

ELECTRICAL SUPPLY: 120 VAC 50/60 HZ, 20 watts average power consumption. Power should be supplied by a dedicated circuit through a 10 AMP maximum breaker or fuse and should not supply power to any other devices. NOT FOR USE IN CLASSIFIED AREAS.

ELECTRICAL CONTACT RATING: 5 AMPS @ 125/250 VAC, 5 AMPS resistive and 3 AMPS inductive @ 30 VDC.

WATER SUPPLY: The flow switch requires a minimum of 2.4 GPM to activate. Mount flow switch in supply line with flow in horizontal direction and switch stem extending vertically from tee. Mount switch with at least 6" of straight pipe on both sides to minimize turbulence in switch.

TROUBLESHOOTING	
PROBLEM	REPAIR CHECKLIST
1. Alarm horn and light do not operate.	1. a. Check incoming circuit for power and power from flow switch. b. Check that the direction of water flow corresponds to the arrow on the flow switch body. c. Check that water flow is sufficient. d. Check all electrical connections. e. Faulty flow switch. Replace entire switch assembly.
2. Horn sounds but light does not flash.	2. a. Check wiring connections. b. Replace flashing light.
3. Light flashes but horn does not sound.	3. a. Check wiring connections. b. Replace horn.
4. Alarm stays on.	4. a. Check wiring connections. b. Disconnect flow switch wires and test for continuity.

INSTALLATION PROCEDURE

- STEP 1:** Choose a location for mounting the flow switch in the water supply line. The inlet and outlet ports of the flow switch must be a minimum of 6 inches from any tees or elbows in the water supply line. See attached installation drawing.
- STEP 2:** Mount the flow switch assembly in the water supply line. The switch body must be in the vertical position with the water pipe horizontal. The water flow must be in the direction marked by the arrow on the flow switch body. Use Teflon tape or pipe sealing compound on all water pipe connections.
- STEP 3:** Choose a location for mounting the alarm assembly. The alarm housing should be positioned along a vertical axis at least 7 feet above ground for best visibility. The alarm may be mounted directly to a water pipe using the supplied bracket, U-bolt, washers and nuts. The alarm can also be bolted to a flat surface such as a wall, using the supplied wall-mounting bracket with appropriate fasteners (not supplied).
- STEP 4:** If necessary, disconnect flex conduit from flow switch and trim to desired length. Reconnect flex conduit to flow switch.
- STEP 5:** Open junction box cover. Using wire nuts, connect the alarm system to 120VAC power source.
- STEP 6:** The brown and red wires are connected to a normally opened contact of the flow switch and may be used for remote activation.

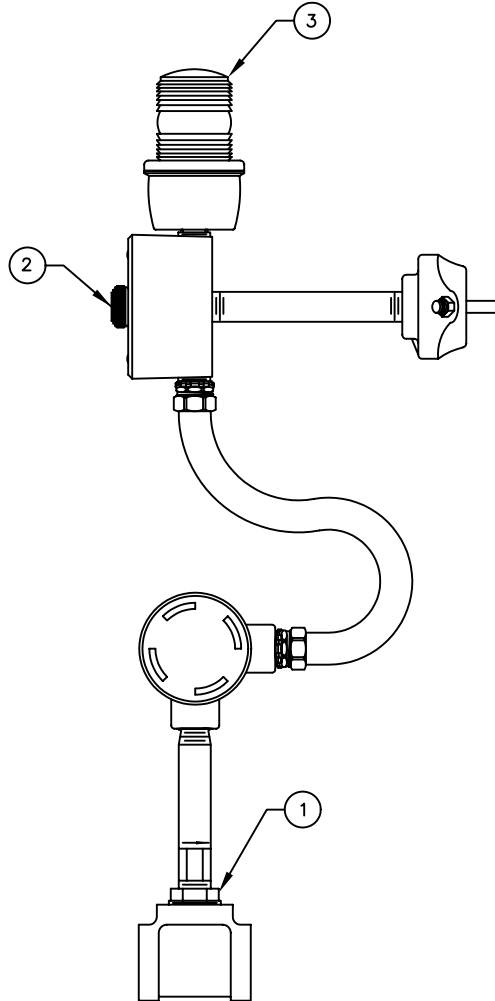
OPERATION AND TEST INSTRUCTIONS

Test weekly. Instruct all employees in the use of emergency showers and eyewashes.

- STEP 1:** Apply power to the alarm branch circuit. The alarm should remain OFF.
- STEP 2:** Open the shower or eyewash flow valve. The alarm should sound and the light should flash shortly after water.
- STEP 3:** Shut off the flow valve. The alarm should turn off.

ITEM	DESCRIPTION
1	SP154DPDT FLOW SWITCH
2	ALARM, PN 0000091330
3	FLASHING LIGHT, PN 0003225300

PARTS BREAKDOWN

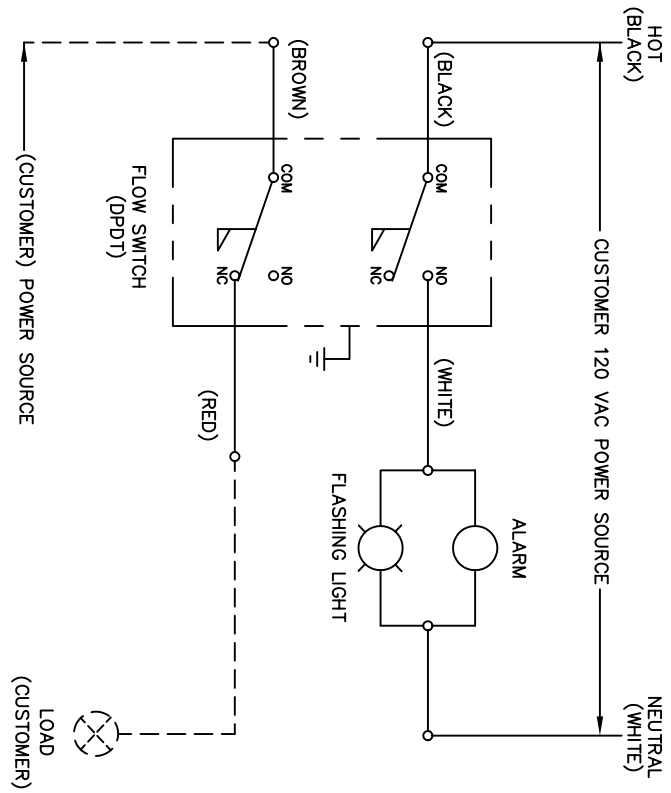


**WHEN ORDERING
PARTS PLEASE
SPECIFY YOUR
MODEL NUMBER**

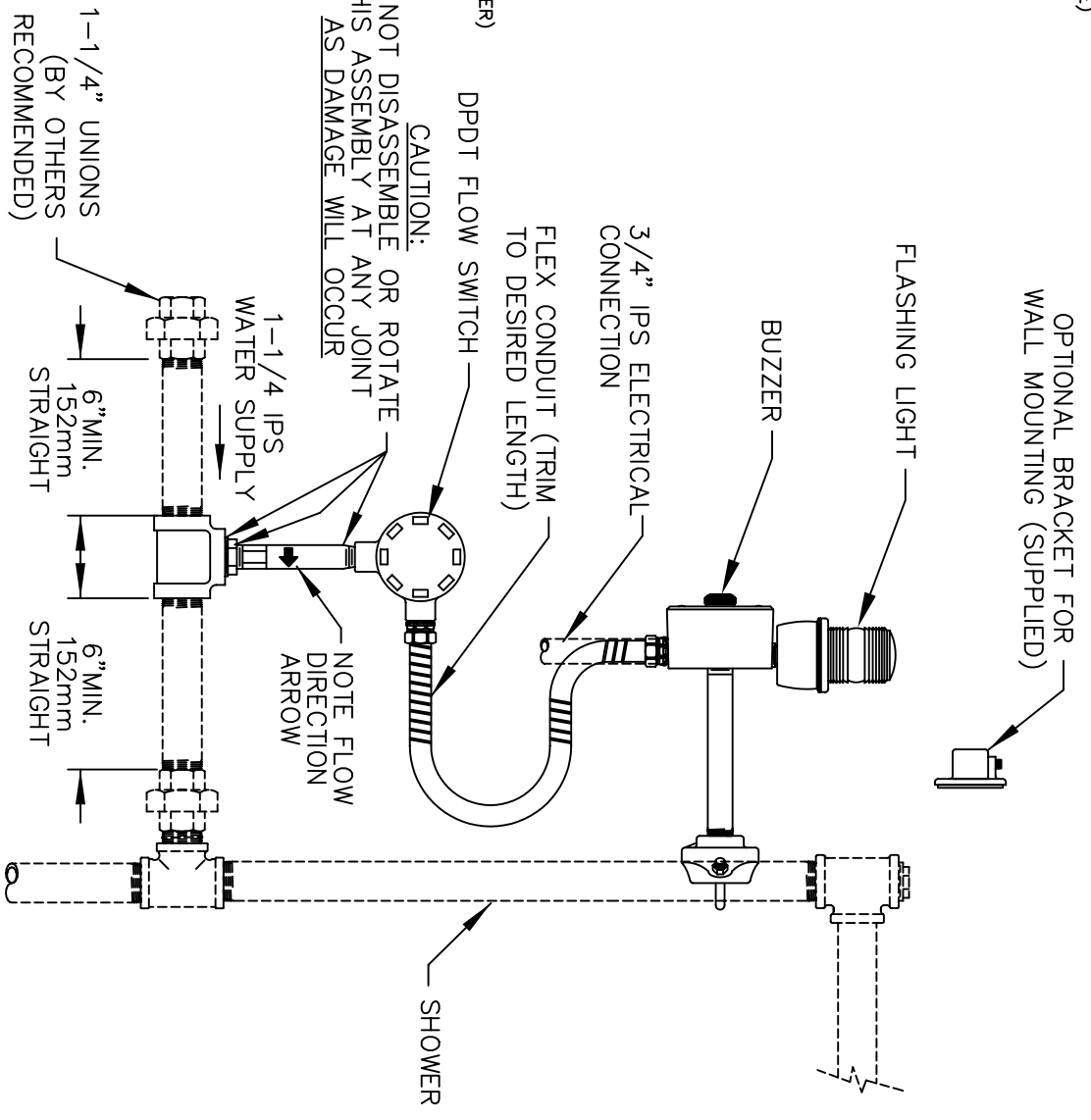


1455 KLEPPE LANE BACHWEG 3
SPARKS, NEVADA CH3401 BURGENDORF
SWITZERLAND

DRAWN BY: D.ZHOU	DATE: 01/09/01	CHECK BY:	APP'D BY:	SCALE: 1/3
TITLE: 9001DPDT EMERGENCY ALARM			PART NUMBER: 0002080216	
DRAWING TYPE: PARTS BREAKDOWN			DRAWING NUMBER: 14880C00	REV: 3



WIRING DIAGRAM



CAUTION:
DO NOT DISASSEMBLE OR ROTATE THIS ASSEMBLY AT ANY JOINT AS DAMAGE WILL OCCUR

SWITCH MUST BE MOUNTED IN HORIZONTAL POSITION

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Haws Mfg Pte Ltd 74 Sungai Kodut Loop Singapore 729531
e-trail: Haws@hawsco.com website: www.hawsco.com

INFO FAX : 1-888-FAX-HAWS (1-888-329-4297)

MODEL(S): 9001DPDT EMERGENCY ALARM

INFO FAX DOC #: 290013738

DATE: 07/09/01

SCALE: 1/8"

APPROVED: D ZHOU

DATE: 07/09/01

SIZE: A 1 OF 1