RONAN

Features

- Continuously Monitors Liquid Levels in Dispenser Containment Pans

- Automatic Shutdown of Pump Control Circuits with a Detection of a Leak

- Nondestructive Operation for Years of Service and Periodic Testing

- Monitoring of Secondary Containment

- Selectable Logic (N.O. or N.C.)

- Stainless Steel Anti-meniscus Sensor.

- Explosion Proof Device UL Listed.

Interface Relay Wiring

SERIES X76

Dispenser Pan Sensor Model LS-6EXP

The Model LS-6EXP Sensor is designed to provide point level liquid sensing and disruption of power circuits when sufficient liquid is collected within the containment pan. Designed specifically for hazardous locations, the sensor includes an explosion proof junction box, and a double-pole, double-throw interface relay that provides power interruption to control circuits within a dispenser. The LS-6EXP operates as a stand alone dispenser pan sensor, allowing for easy installation. The sensor simply mounts to the existing junction box, with no excavation required. The LS-6EXP carries an explosion proof device UL Listing for use in Class I, Division 1, Groups C & D and Class I, Division 2, Groups A, B, C, & D hazardous locations.

Specifications

Housing: 304 stainless steel, 1.310" dia. x 3.0" L.

Mounting: Aluminum bushing, 0.5" NPT x .875".
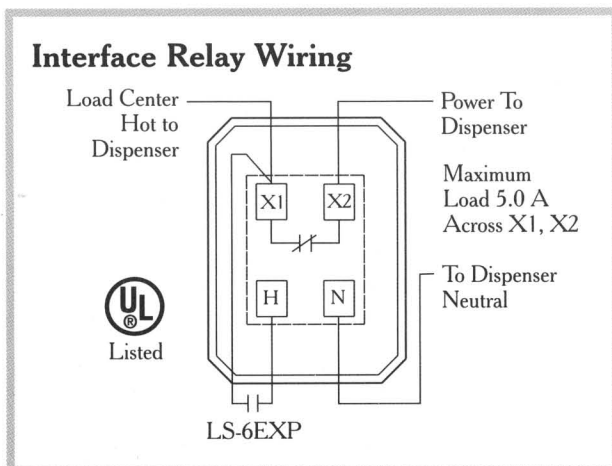
Lead Wire: 22 AWG, polymeric, 30" L.

Interface Relay: DPDT, 115 Vac, 2.2 W, 5.0 A.

Enclosure: Cast aluminum, explosion proof rated, 3.00" W x 6.08" H x 3.312" D.
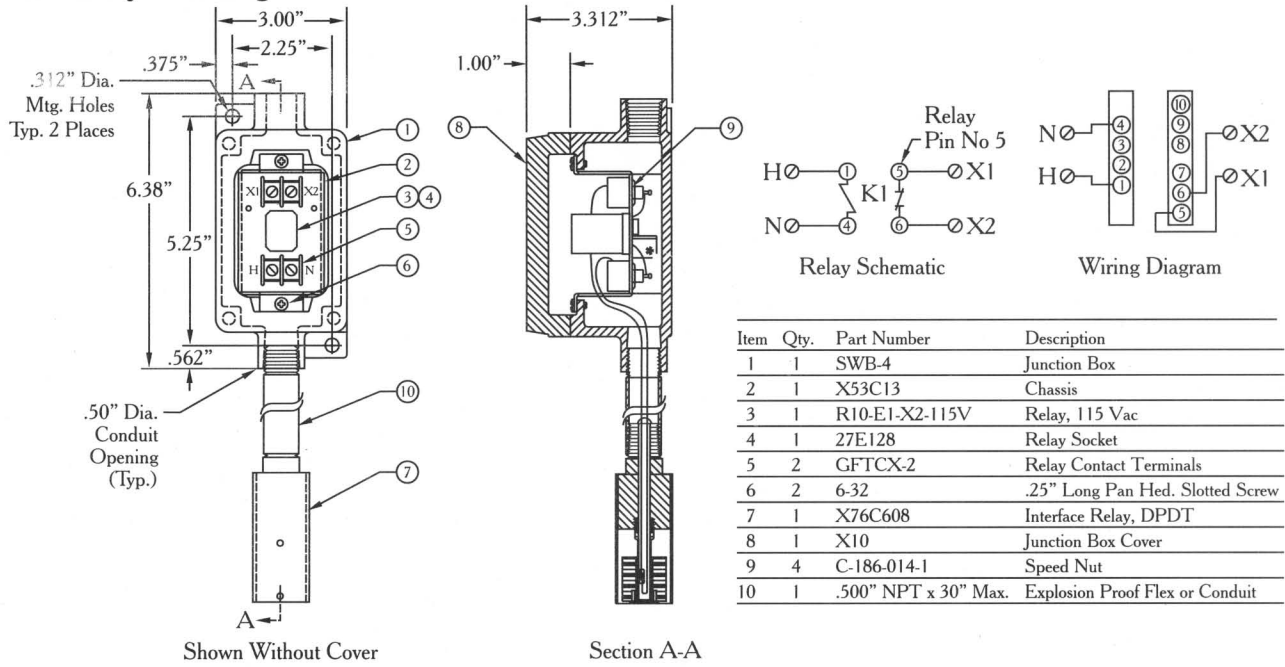
Vertical Liquid Sensor Switch: SPST, 20 AV, selectable logic (N.O. or N.C.), 316 stainless steel stem, PH 15-7 MO stainless steel anti-meniscus float stop.
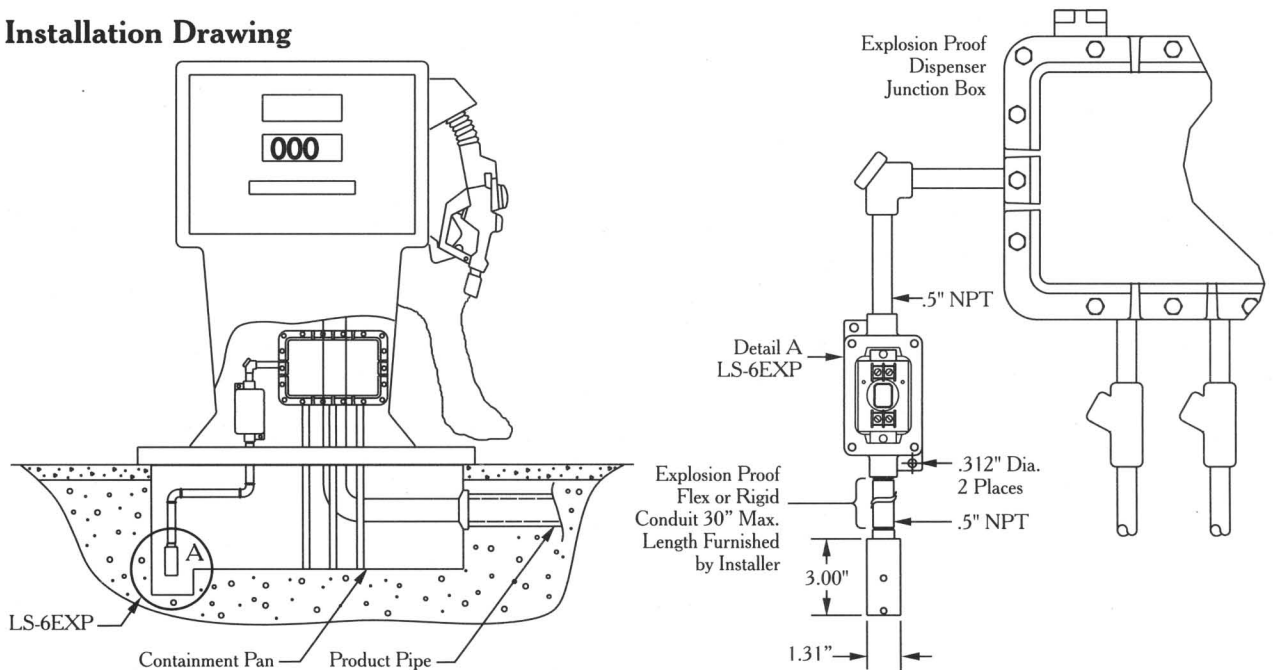
Operating Temperature: -40° to 180°F.

Operating Pressure: 150 psig maximum.

Assembly Drawing

.312" Dia. Mtg. Holes Typ. 2 Places

3.00"
2.25"
.375"
6.38"
5.25"
.562"

.50" Dia. Conduit Opening (Typ.)

Shown Without Cover

3.312"
1.00"

Section A-A

Relay Pin No 5

Relay Schematic

Wiring Diagram

Item	Qty.	Part Number	Description
1	1	SWB-4	Junction Box
2	1	X53C13	Chassis
3	1	R10-E1-X2-115V	Relay, 115 Vac
4	1	27E128	Relay Socket
5	2	GFTCX-2	Relay Contact Terminals
6	2	6-32	.25" Long Pan Hed. Slotted Screw
7	1	X76C608	Interface Relay, DPDT
8	1	X10	Junction Box Cover
9	4	C-186-014-1	Speed Nut
10	1	.500" NPT x 30" Max.	Explosion Proof Flex or Conduit

Installation Drawing

Explosion Proof Dispenser Junction Box

.5" NPT

Detail A LS-6EXP

Explosion Proof Flex or Rigid Conduit 30" Max. Length Furnished by Installer

.312" Dia. 2 Places

.5" NPT

3.00"

1.31"

LS-6EXP

Containment Pan — Product Pipe