



# NON-MERCURY FLOAT SWITCH - CONTROL DUTY

## 2900-B8 MECHANICAL SERIES - WIDE ANGLE FLOAT SWITCH

### GENERAL

DESIGNED FOR ACCURATE LIQUID LEVEL CONTROL IN MANY APPLICATIONS INCLUDING POTABLE WATER OR SEWAGE ENVIRONMENTS. THE FLOAT SWITCH CAN BE UTILIZED TO SIGNIFY SPECIFIC WATER LEVELS OR FOR DIRECT ALARM ACTUATION.

### SWITCH VARIATIONS

#### NORMALLY OPEN (N/O) - GREEN SHELL

THE CONTACTS ARE OPEN (OR OFF) IN THE HANGING POSITION. AS THE FLOAT RISES 45° ABOVE HORIZONTAL, THE CONTACTS BECOME CLOSED AND ACTUATE (TURN ON) THE SWITCH. THIS FLOAT IS GENERALLY USED IN PUMP DOWN APPLICATIONS.

#### NORMALLY CLOSED (N/C) - GREEN/RED SHELL

THE CONTACTS ARE CLOSED (OR ON) IN THE HANGING POSITION. AS THE FLOAT RISES 45° ABOVE HORIZONTAL, THE CONTACTS BECOME OPEN AND ACTUATE (TURN OFF) THE SWITCH. THIS FLOAT IS GENERALLY USED IN PUMP UP APPLICATIONS.

#### SINGLE POLE, DOUBLE THROW (SPDT) - GREEN/BLUE SHELL

A VARIATION OF THE PREVIOUSLY LISTED SWITCHES. THIS FLOAT SWITCH CAN BE WIRED TO OPERATE AS EITHER (BUT NOT BOTH) A NORMALLY OPEN OR NORMALLY CLOSED SWITCH BASED ON THE USER'S NEED.

### SWITCH SPECIFICATIONS

2900 SERIES MECHANICAL FLOAT SWITCHES ARE DESIGNED TO OPERATE UNDER THE FOLLOWING PARAMETERS.

MINIMUM OPERATING TEMPERATURE	-	32 DEGREES F.
MAXIMUM OPERATING TEMPERATURE	-	170 DEGREES F.
13 AMPS @ 120 VAC FOR 1/2 H.P. AND 1 H.P. @ 240 VAC		
15 AMPS @ 120 VAC FOR 1 H.P. AND 2 H.P. @ 240 VAC		

### POWER CORD SPECIFICATIONS

CONDUCTOR CORD - PHYSICAL	-	CHLORINATED POLY ETHYLENE.
ELECTRICAL FOR N/O OR N/C SWITCH	-	16 AWG 2, TYPE SJOOW - 300 V.
ELECTRICAL FOR SPDT SWITCH	-	16 AWG 3, TYPE SJOOW - 300 V.
ELECTRICAL FOR 1 H.P./2 H.P. SWITCH	-	14 AWG 2, TYPE SJOOW - 300 V.
OPTIONAL 120 VAC OR 240 VAC PIGGY BACK PLUG		

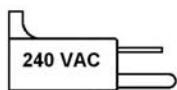
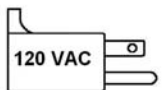
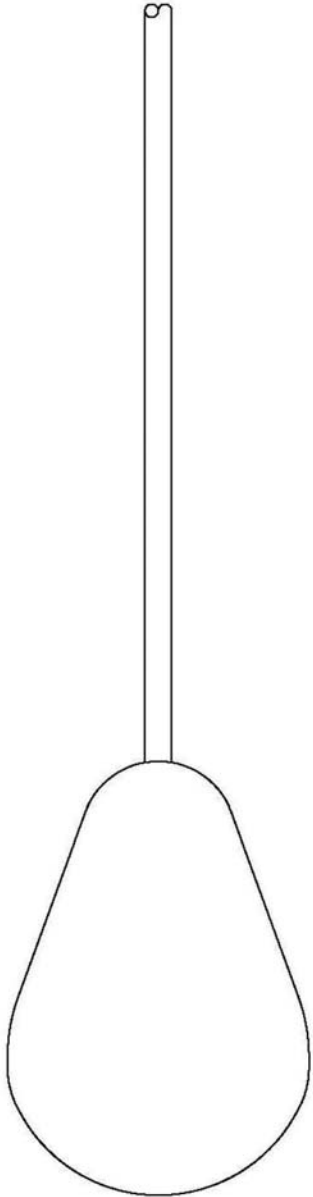
### FLOAT SPECIFICATIONS

DURABLE POLYPROPYLENE MATERIAL CONSTRUCTION.  
SOLID POLYURETHANE FOAM INTERIOR.  
LEAK PROOF, SHOCK PROOF, AND IMPACT RESISTANT.  
RESISTANT TO SEWAGE AND WASTEWATER APPLICATIONS.

### OPTIONAL CORD MOUNTING ASSEMBLIES AVAILABLE (NOT SHOW)

ZINC PLATED CAST IRON - 1.22 LBS.

POLYPROPYLENE CABLE CLAMP WITH STAINLESS STEEL BAND



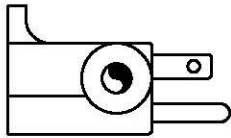
CONERY MFG INC  
info@conerymfg.com

1380 ENTERPRISE PKWY  
PH (419) 289-1444

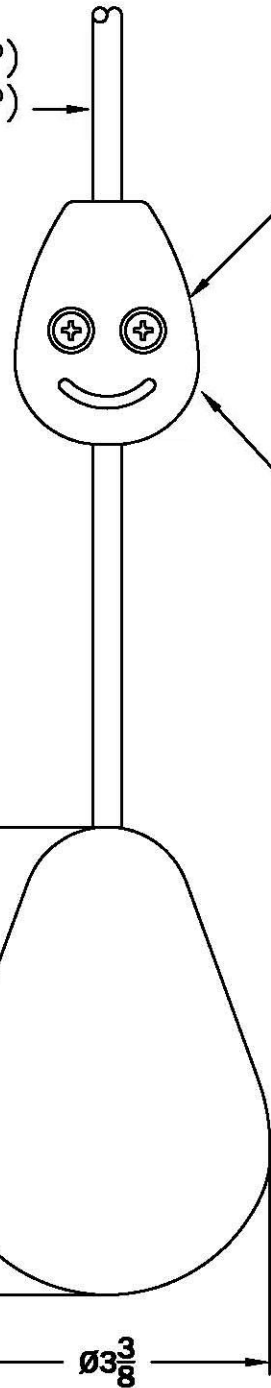
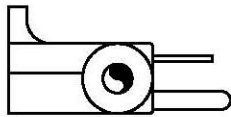
ASHLAND, OH 44805  
FAX (419) 281-0366

16/2 SJOW CABLE (1/2-1HP)  
14/2 SJOW CABLE (1-2HP)

115V PIGGYBACK  
PLUG (OPTIONAL)



230V PIGGYBACK  
PLUG (OPTIONAL)



FLOAT WEIGHT  
(OPTIONAL)

FLOAT WEIGHT  
(OPTIONAL)  
SEE CHART FOR  
TETHER LENGTH  
& DRAWDOWN.

ALL INFORMATION CONTAINED IN THIS DRAWING IS  
CONFIDENTIAL AND PROPRIETARY TO CONERY MFG, INC.



CHANGES	TOLERANCES	DRAWN BY	DATE
F	DECIMALS	D. MIDDLETON	07/30/09
E	.xxx = ±.005	MATERIAL SPECIFICATION:	
D	.xx = ±.010		
C	FRACTIONAL		
B	x/x = ±.1/64		
A	ANGLES		
	x° = ±1/2°		

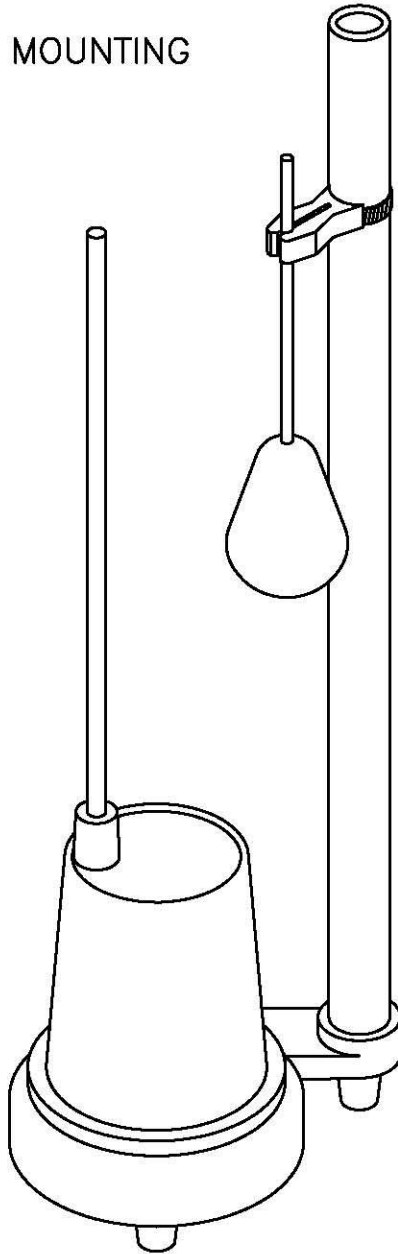
SPECIFICATION SHEET  
MECHANICAL FLOAT

SCALE:  
HALF 2900 SERIES B8  
NON-MERCURY

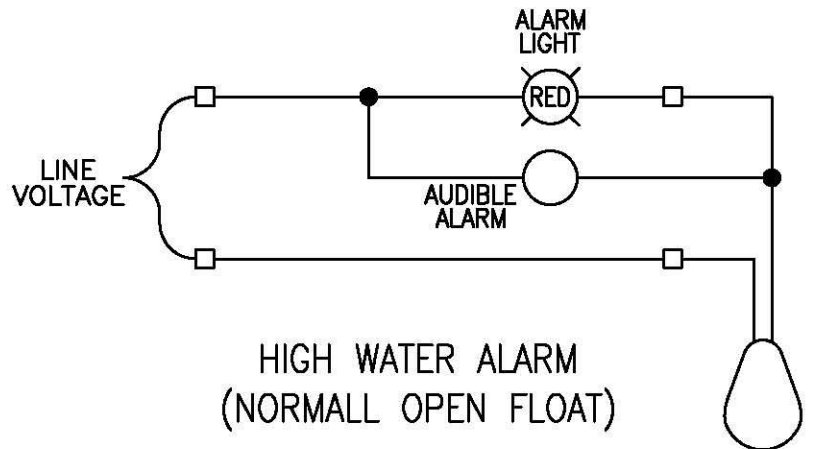
NOTE: ALL ELECTRICAL DIAGRAMS SHOWN ARE EXAMPLES ONLY,  
 CONSULT WITH LOCAL ELECTRICAL AUTHORITIES AND CODES.  
 DO NOT USE THESE PRODUCTS IN GASOLINE, VOLATILES,  
 OTHER COMBUSTIBLES.

**2900 SERIES B8**

TYPICAL MOUNTING



FOR PUMP DOWN USE  
 (NORMALLY OPEN FLOAT)  
 FOR PUMP UP USE  
 (NORMALLY CLOSED FLOAT)



ALL INFORMATION CONTAINED IN THIS DRAWING IS  
 CONFIDENTIAL AND PROPRIETARY TO CONERY MFG, INC.



CHANGES	TOLERANCES	DRAWN BY	DATE
F	DECIMALS .XXX = ±.005 .XX = ±.010 FRACTIONAL X/X = ±.1/64 ANGLES X° = ±1/2°	D. MIDDLETON	03/18/04
E		MATERIAL SPECIFICATION:  WIDE ANGLE FLOAT SWITCH	
D			
C			
B			
A			

**SPECIFICATION SHEET  
 MERCURY FLOAT**

SCALE:	PART NO.
<b>NONE</b>	<b>2900 SERIES B8</b>