

Observer 400 Indoor/Outdoor Alarm

⚠ WARNING 	ELECTRICAL SHOCK HAZARD Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.	⚠ WARNING 	EXPLOSION OR FIRE HAZARD Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.
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1. Observe National Electric Code, ANSI/NFPA 70, when installing this unit to prevent moisture buildup. SPI is not responsible for damage or injury resulting from improper installation procedure.
2. Turn off power.
3. Remove the enclosure lid. Take out the 4 screws and disconnect the alarm light.
4. Using the markings on the bottom of the enclosure, drill holes for 1/2" conduit connectors. String all required wires through the conduit and these connectors.
5. Mount the alarm using the mounting feet at the top and bottom.
6. Strip the float switch and power leads as recommended in figure 1.
7. Attach the float(s) to the terminal block as the terminal block labels shows. Pump and pump float terminals **are not for use with piggyback-type float switches**. If you cannot remove the plug or supply non-plug type float switches, pump must operate via an external 120V outlet. Piggyback float switches are not compatible with pumps installed via the supplied terminal block screws. See part number "10A650" for an alarm/pump panel that will accept piggyback pump floats.
8. If you will be using a remote alarm, run the remote alarm wires to the auxiliary contacts.
9. Turn on power and test the alarm. Upon tilting the float switch up, the buzzer and alarm light should switch on. If it does not, try the test button. If the alarm is still not functioning, contact your sales representative or SPI.

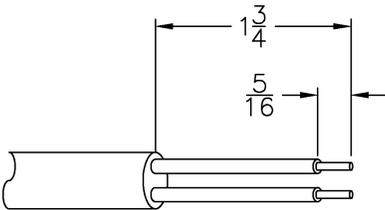


Figure 1: Recommended strip lengths

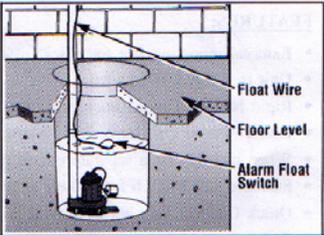


Figure 2: General tank setup

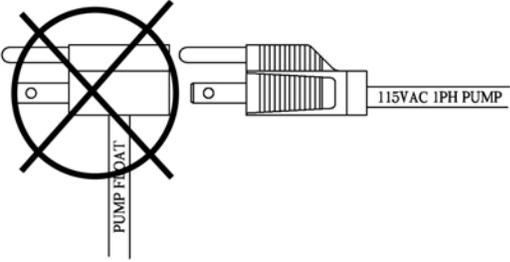
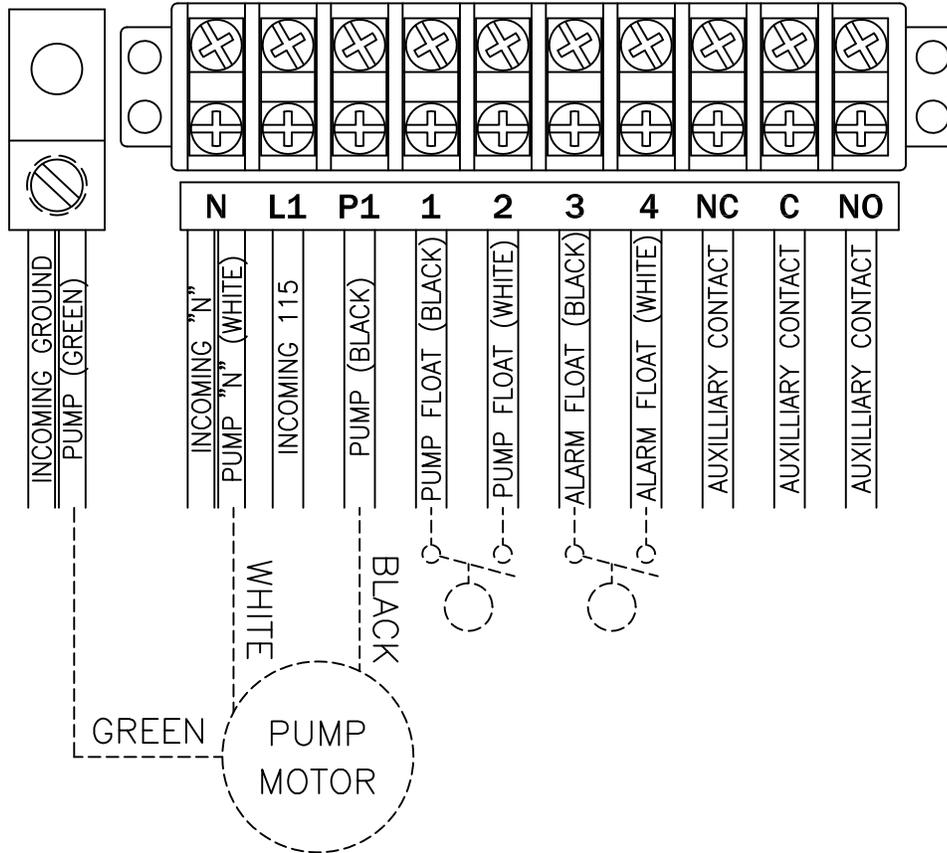


Figure 3: Not compatible with piggyback float plugs (See 10A650 for alternative)

CONNECTION DIAGRAM

TIGHTENING TORQUE FOR TERMINAL BLOCK IS 9 in-lbs.



**PUMP AND PUMP FLOAT TERMINALS NOT FOR USE WITH PIGGYBACK FLOATS, PLUG MUST BE REMOVED OR INSTALLED TO EXTERNAL OUTLET. PUMPS WITH BUILT-IN FLOATS REQUIRE JUMPER WIRE BETWEEN TERMINAL BLOCKS #1 AND #2

ALL INFORMATION CONTAINED IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY TO SEPTIC PRODUCTS, INC.



CHANGES		TOLERANCES	DRAWN BY	DATE	CONNECTION DIAGRAM	
F		DECIMALS	C. BARRICK	09/16/16		
E		.xxx = ±.005	MATERIAL SPECIFICATION:		FULL	
D		.xx = ±.010				
C		FRACTIONAL	AS NOTED			
B		x/x = ±.1/64				
A		ANGLES				
		x' = ±1/2'				