

Drain Control | RO Water | Nutrient Tanks

Electronic optical "liquid level control system" includes two liquid sensors for high and low automatic drain control of fluids in tanks, reservoirs, buckets, etc. Only power and a valve or relay is required to complete the level control system. Compatible with 5-24Vdc valves and relays. Available with optional RX1 outlet kit for direct control of 120Vac pumps, valves and other equipment.

How It Works

The high-level sensor turns on a pump or valve to operate until liquid drains below the low-level sensor.



Made in
USA



Industrial 24V
Compatible



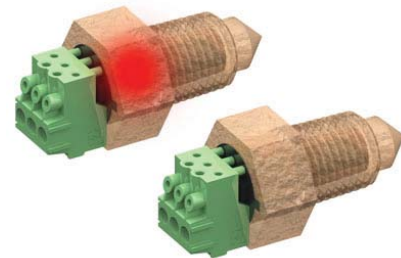
Status LED
Illuminates Body



Intelligent
Features



1-Year
Warranty

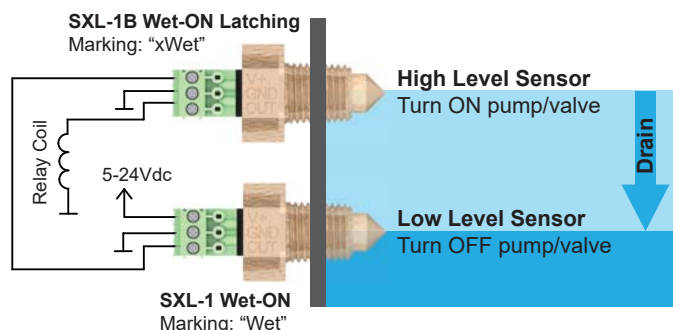


Installation

1. Mark the tank wall at the desired high and low points.
2. Thick Wall: Drill 7/16" holes and tap with a 1/4 NPT tap. Thread sensor in hole.
Thin Wall (3/16" & under): Drill a 17/32" hole, place o-ring on sensor & nut inside tank.
3. Tighten sensor and check for leaks. Use teflon tape for tapped holes.
4. Make electrical connections according to the diagrams below.

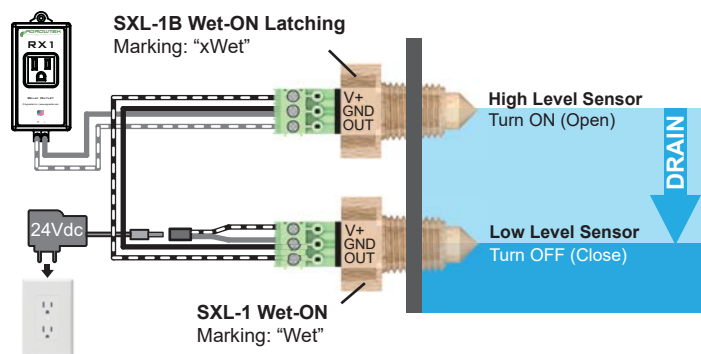
WARNING: DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury. Failure to comply with these instructions could result in death or serious injury.

Standard Wiring Diagram



Low sensor (SXL-1) provides power to high sensor (SXL-1B) when liquid is above the low sensor. High sensor turns on when liquid rises above high sensor and remains on until reset by the low sensor.

RX1 Kit Wiring



RX1 Outlet relay kit can control 120Vac pumps or valves and includes a 24Vdc wall power supply to operate the sensors and RX1.

Sensor/LED Status

Status	Empty	Mid-Level	High	Draining
High Sensor	Sensor OFF, LED OFF	Sensor OFF, LED Flash/10sec	Sensor ON, LED ON	Sensor ON, LED ON Flash/OFF/10sec
Low Sensor	Sensor OFF, LED Flash/10sec	Sensor ON, LED ON	Sensor ON, LED ON	Sensor ON, LED ON

Specifications

Voltage Input:	5-24Vdc
Output Current:	Max 1A (sourcing)
Current Consumption:	20mA per sensor
Mounting Thread:	1/4" NPT
Hex Size:	3/4" (19mm)
Body Material:	Polysulphone
Temperature Range:	-20 to 80°C (non-freezing)
Wire Gauge:	26 - 16 AWG

Kits

SXL-D	High & Low Drain Sensor Kit
RX1-K	Outlet Relay Kit

Individual Sensors

SXL - 1	1: Low Drain Sensor 1B: High Drain Sensor
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See SXL and RX1 manuals or contact Agrowtek Inc. for warranty terms and conditions.