



FPT-40-110VAC SUBMITTAL

Water Level High & Low Alarms

FIRE PROTECTION WATER LEVEL ALARMS

NEW MORE RELIABLE TECHNOLOGY by Waterline Controls® FOR SPECIFYING ENGINEERS WITH A TESTED & PROVEN TRACK RECORD in MRO APPLICATIONS for 10+ years.

Our controls can REPLACE ALL SENSOR & CONTROL TYPES in ALL water based applications.

We ARE NOT similar to float switches, capacitive, conductive, ultrasonic, or pressure transducers. We ARE more reliable, easy to operate, & last longer.



Features:

- 5 Year Limited Warranty
- NEMA 4x control enclosure
- Intuitive LED indicators
- Dry contact connections for BMS, BAS, or fire panel
- Fully automated by microprocessor
- Color coded sensor rods & wires for intuitive installation
- Test Push-button for output devices
- Power relays for valves, pumps, etc.
- Optional temperature sensor controlled relay
- Controls can be mounted in equipment room w/ sensor wired remotely
- Push-button for relay test
- Modular construction
- Extendable sensor probes

Benefits:

- Permanently eliminate float switches
- Less than 1% failure rate in the field
- Intrinsically safe - no high voltage in water
- Never needs recalibration
- Fully Commercialized
- Sensor will not plate, foul, or deteriorate
- Water quality does not matter
- Flexibility in design to meet any scenario
- Minimal maintenance
- Stand-alone controls
- Only moving parts are replaceable relays

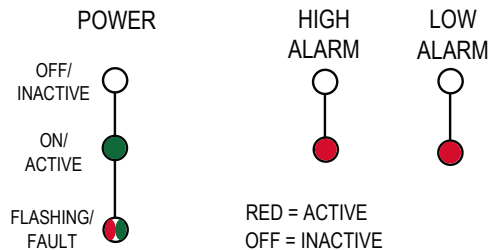
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FUNCTIONAL DIAGRAMS

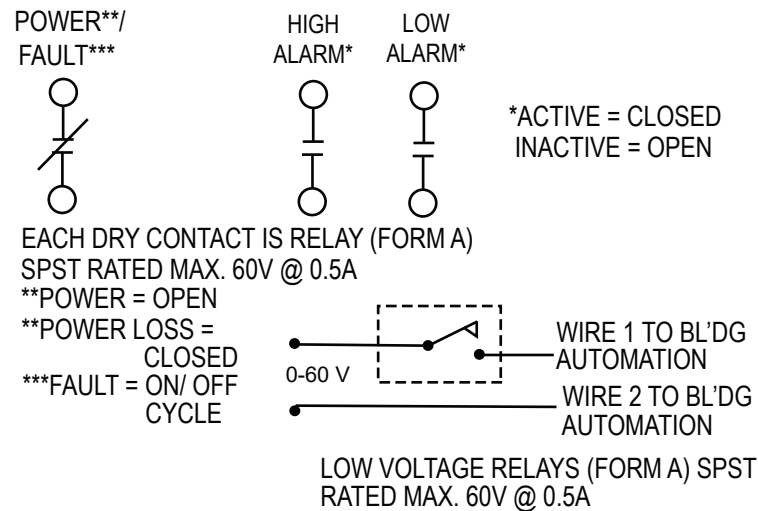
STATUS INDICATORS (LED)



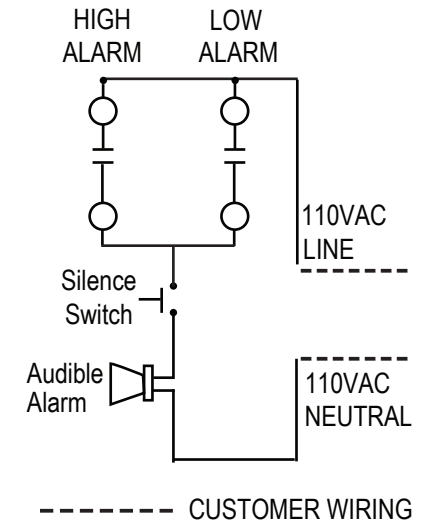
The Power LED will be off on power loss, Green when powered on and Flashing on Fault conditions.

The Status Indicator LEDs will be Red when active and off when inactive.

LOW VOLTAGE DRY CONTACTS TO BUILDING AUTOMATION



HIGH VOLTAGE POWER RELAYS



PRODUCT FUNCTION TRUTH TABLE

MODEL	BMS DRY CONTACTS						POWER RELAY				
	FAULT/ POWER LOSS		LOW ALARM	HIGH ALARM		BAS WIRES		LOW ALARM	HIGH ALARM		SELF TEST
FPT-40	X		X	X		6		X	X		X

Toll Free: 888-905-1892
www.waterlinecontrols.com
 Email: info@waterlinecontrols.com

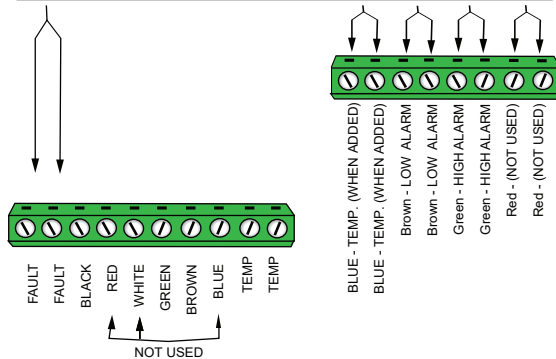
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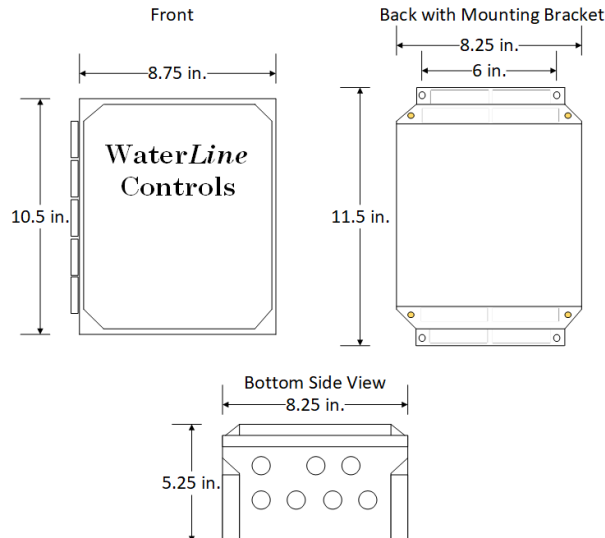
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PHYSICAL WIRING CONNECTIONS

LOW VOLTAGE DRY CONTACTS TO BUILDING AUTOMATION RATED MAX. 60V @ 0.5A



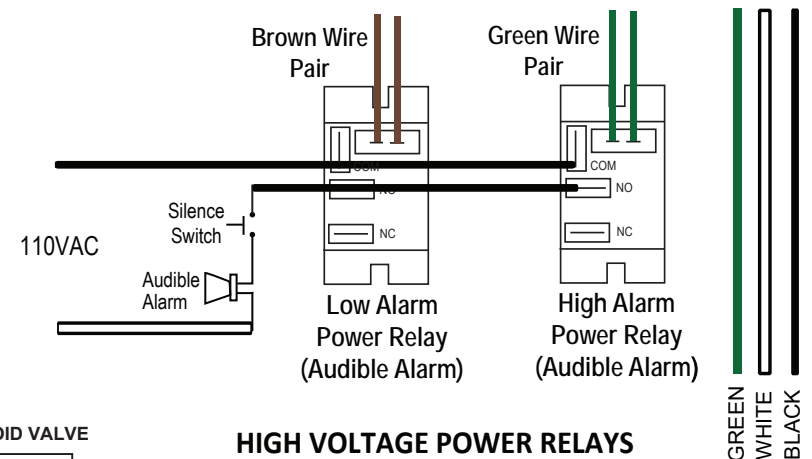
SENSOR PROBE WIRES



CONTROL UNIT RATINGS

VOLTS: 110 VAC (50/60 HZ)
AMPS: 0.5 AMPS
WATTS: 55W

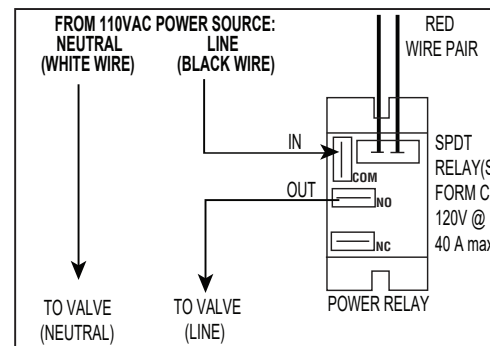
220VAC ALSO AVAILABLE



HIGH VOLTAGE POWER RELAYS

Form C - SPDT
Rated max.: 120 VAC @ 40A All relays are typical
All relay terminals are 1/4" male spade

EXAMPLE FOR CONNECTING A 110VAC SOLENOID VALVE

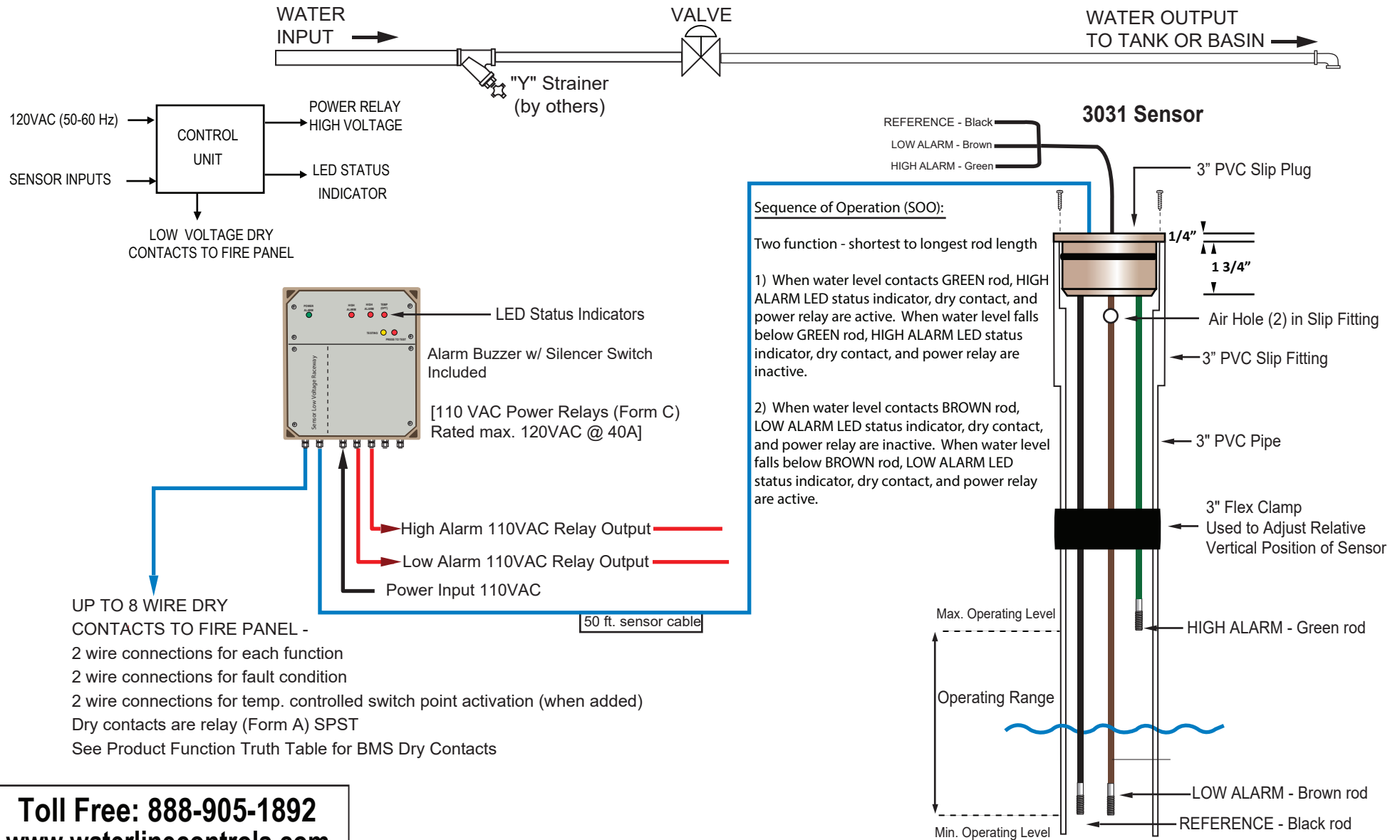


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Electronic Water Level Management Systems

5 Year Limited Warranty - WaterLine Controls®

The 5 Year Limited Warranty is extended to the original consumer purchaser of this WaterLine Controls manufactured by WaterLine Controls, Scottsdale, Arizona. WaterLine Controls warrants the unit, including the parts and components thereof, to be free of defects in material and workmanship under normal use and service conditions. This warranty does not cover plumbing or normal replacement items and parts, including gaskets and O-rings. WaterLine Controls does not cover improper installation of the unit or its parts. If you have any questions regarding the installation of your WaterLine Controls unit, please feel free to contact us. Be sure to include the serial number of your unit.

The 5 Year Limited Warranty commences on the date of installation. Parts discovered to have manufacturing defects within 1 Year of installation shall be replaced at no charge to the original consumer. Defects discovered after one year and up to the fifth year following the installation, shall be replaced at a fee of \$275.00 per item. WaterLine Controls will repair or replace, at its option, a unit or part proved to be defective within the warranty period and under the conditions of this 5 Year Limited Warranty.

This 5 Year Limited Warranty does not apply if the failure is caused or contributed by any of the following: power failure or reduction of power supplied to the unit, unusual atmospheric conditions, improper handling, improper storage, winter freezing, abuse, improper installation, unsuitable application, lack of reasonable and necessary maintenance, natural disasters, or repairs/alterations made or attempted by other than WaterLine Controls or an Authorized Technician approved by WaterLine Controls.

The consumer must deliver or ship the unit or warranty parts freight prepaid to WaterLine Controls. Authorization to return an item to WaterLine Controls must be obtained from WaterLine Controls Customer Service Department at 888-905-1892. For further assistance with this process please contact the Customer Service Department. Be sure you insure your shipment against loss or damage in transit.

WaterLine Controls is not responsible for the cost of removal of the unit or parts of the unit, damages due to removal, or any other expenses incurred in shipping the unit or parts to or from WaterLine Controls or its closest Authorized Service Center or the installation of the repaired or replaced unit. The consumer must bear these expenses.

THIS 5 YEAR LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL SUCH OTHER WARRANTIES ARE DISCLAIMED EXCEPT TO THE EXTENT ANY IMPLIED WARRANTY MAY BE IMPOSED BY STATE CONSUMER LAW. ANY SUCH IMPLIED WARRANTY IMPOSED BY STATE CONSUMER LAW IS LIMITED IN DURATION TO ONE (1) YEAR FROM THE DATE OF INSTALLATION. IN NO EVENT SHALL WATERLINE CONTROLS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR ANY NATURE OR KIND OR FOR DAMAGES TO PERSONS OR PROPERTY, INCLUDING ANY DAMAGE RESULTING FROM THE USE OF THE UNIT WITH A SUBSTANDARD WATER CIRCULATION OR SUPPLY SYSTEM.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

This limited warranty is valid only in the United States of America and Canada.

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