

LEVEL & LEAK DETECTION

ELECTRONIC WATER LEVEL CONTROL SYSTEM WLC SERIES



DESCRIPTION

The **Waterline Controls WLC Series** electronic water level control system uses a microprocessor that monitors all probes for correct operation and then provides the corresponding outputs to drive the power relays, the Building Automation System and a visual indication of the operational status. The Modular construction and a self-test feature insure user-friendly operation.

FEATURES

- **Easy installation, simple and reliable**
- **Compensates for wave action**
- **No moving parts or mechanical floats**
- **Liquid tight enclosure**
- **Accurately manages levels to within 1/8" of operating range**



DIMENSIONS

Reference - BLACK
Low-Low Alarm - BLUE
Low Alarm - BROWN
Minimum Operating Level - WHITE
Maximum Operating Level - RED
High Alarm - GREEN

3" Slip Plug (PVC)
3" Slip Fitting
O ring
All Sensors are stainless steel

OPERATING LEVEL

All rods are threaded 1/4-20 to fit Ext. Kits

Dimensions should be calculated from the top of the tank or riser down to the required alarm level(s) in inches. Be sure to take into account any riser pipes or manway risers.

SENSOR	LENGTH
Green HIGH A	10 3/8"
Red OFF B	14"
White ON C	15 1/2"
Brown LOW D	16 3/8"
Blue LOW-LOW E	17"
Black REF	17"

NOTE: An 18" PVC pipe is provided. If extension rods are required, user must provide 3" PVC to cover full length of extension rod.

SPECIFICATIONS

Supply Voltage	110 VAC 60 Hz, 250 mA @ 110 VAC
Accuracy	±0.125" (3.175 mm) of operating range
Relay Type	SPST
Relay Rating	
Internal	30A @ 250 VAC
Dry Contacts	0.5 @ 50 VAC/VDC
LED Indication	Power on, Status indication
Sensor Wire Length	50'
Mounting Orientation	Vertical
Enclosure Rating	NEMA 4X
Dimensions	8.75" X 10.5" X 6.0" (22.2 x 26.7 x 15.2 cm) including the hinge and latch
Weight	12 lb (5.4 Kg)
Approvals	ETL listed
Warranty	Limited lifetime warranty



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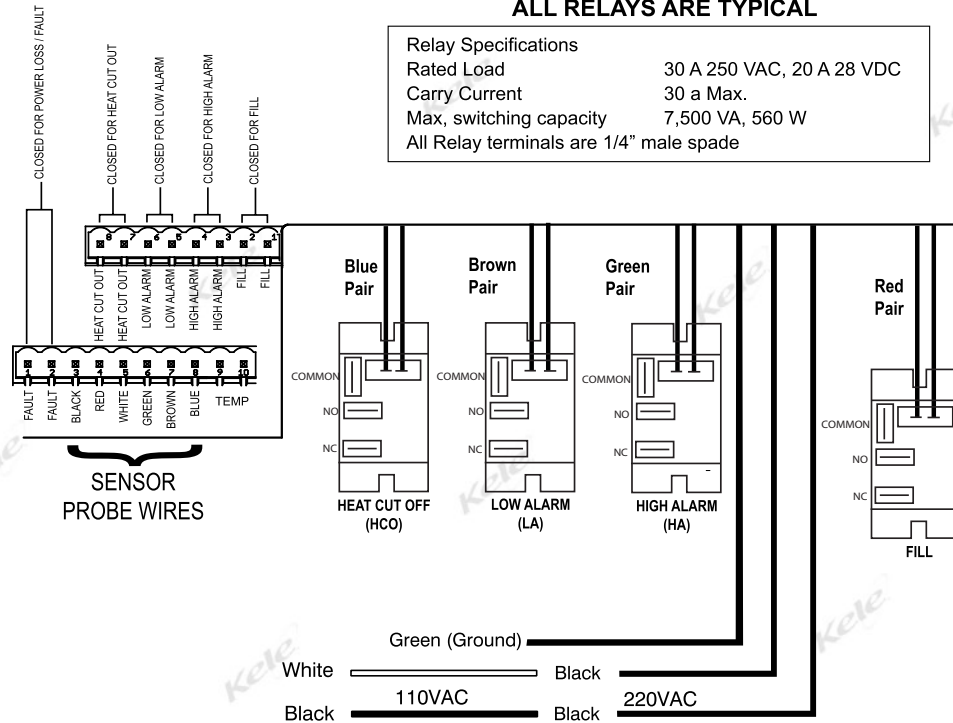
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WIRING

BUILDING AUTOMATION
LOW VOLTAGE DRY CONTACTS

ALL RELAYS ARE TYPICAL

Relay Specifications
 Rated Load 30 A 250 VAC, 20 A 28 VDC
 Carry Current 30 a Max.
 Max. switching capacity 7,500 VA, 560 W
 All Relay terminals are 1/4" male spade



TRUTH TABLE

MODEL	PROBE WIRE COLORS								DRY CONTACTS					POWER RELAY			SELF TEST
	Black	White	Red	Green	Brown	Blue	Yellow	Orange	FAULT	HCO	LA	HA	FILL	HCO Blue	LA Brown	HA Green	
WLC2000	X	X	X						X				X				X
WLC3000	X	X	X						X				X				X
WLC4000	X	X	X		X				X		X	X	X		X	X	X
WLC4500	X	X	X	X					X	X			X	X			X
WLC5000	X	X	X	X	X				X	X	X	X	X	X	X	X	X
WLC6000	X	X	X	X	X				X	X	X	X	X	X	X	X	X

The Blank spaces above mean "No Connection or Function"

ORDERING INFORMATION

MODEL	DESCRIPTION
WLC-3000	Water level controller, fill only, with 3 probes (17", 15.5", 14")
WLC-4000	Water level controller, fill only, with 4 probes (10.38", 14", 15.5", 17")
WLC-4500	Water level controller, fill only, with 4 probes (14", 15.5", 16.38", 17")
WLC-5000	Water level controller, fill only, with 5 probes (10.38", 14", 15.5", 16.38", 17")
WLC-6000	Water level controller, fill only, with 6 probes (10.38", 14", 15.5", 16.38", 17")

ACCESSORIES

ETX3	Extension rod kit, 45in for WLC-3000, 3 color coded extension rods
EXT4A	Extension rod kit, 45in for WLC-4000, 4 color coded extension rods
EXT4	Extension rod kit, 45in for WLC-4500, 4 color coded extension rods
EXT5	Extension rod kit, 45in for WLC-5000, 5 color coded extension rods
EXT6	Extension rod kit, 45in for WLC-6000, 6 color coded extension rods
MB2	Extra brackets and bolts