



## Inputs

### Power

100-240 VAC, 50/60 Hz, 8A  
Fuse: 1.0 ampere, 5 x 20 mm

### Signals

pH/ORP:  $\pm 1500$  mV

### Temperature compensation

(optional, pH only): Pt100 or Pt1000

### Interlock (optional):

Isolated, dry contact closure required (i.e. flow, level, etc.)

## Measurement Performance

### Range

-2 to 16 pH  
 $\pm 1500$  mV (ORP)

### Resolution

0.0015 pH units (.01 pH displayed)  
92  $\mu$ V (1mV displayed) (ORP)

### Accuracy (calibrated)

$\pm 0.01$  pH  
 $\pm 1$ mV (ORP)

### Temperature Range

32 to 212°F (0 to 100°C)

### Resolution

$\pm 0.09$ °F (.05°C)

### Accuracy

$\pm 0.9$ °F (0.5°C)

## WEL pH/ORP Electrode (optional)

Temperature Range 50 to 158°F (10 to 70°C)

Operating Pressure 0 to 100 psi

### Materials of construction

Electrode body CPVC  
Electrode reference HDPE  
O-rings FKM  
Electrode Glass (pH) Platinum (ORP)  
Optional ground rod Titanium  
1" NPTM pipe submersion connection  
3/4" threaded NPTF tee in-line connection

## Outputs

### Powered Relays

Internally powered relays switching line voltage  
6A (resistive), 1/8 HP  
All relays are fused together as one group, total current for this group must not exceed 6A

### Pulse Outputs

Opto-isolated, Solid state relay  
150 mA, 40 VDC Max.  
VLOWMAX = .13V @ 18 mA

### Dry contact relays

6 A (resistive), 1/8 HP  
Dry contact relays are not fuse protected

	CTRL1	CTRL2	CTRL3	CTRL4	ALARM
WDP410	Powered				
WDP420	Pulse		Dry		
WDP440	Pulse				Dry

### 4 - 20 mA 1 or 2 (optional)

Internally powered  
Fully isolated  
600 Ohm max resistive load  
Resolution .001% of span  
Accuracy  $\pm 1\%$  of reading

## Mechanical (controller)

### Enclosure

Polycarbonate

### NEMA Rating

NEMA 4X (IP65)

### Display

2 x 16 character backlit liquid crystal

### Ambient

### Temperature

32 to 122°F (0 to 50°C)

### Shipping weight

7 lbs (3 kg) (approximately)