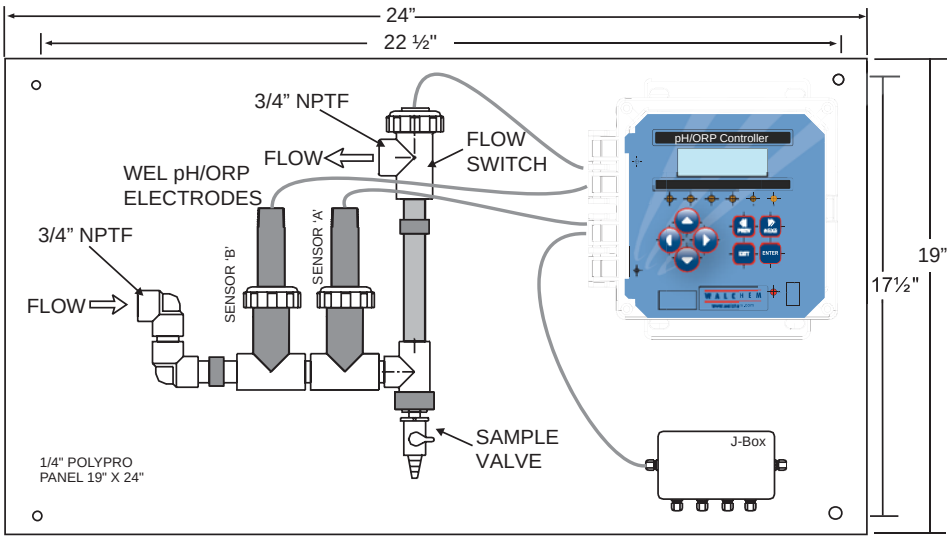
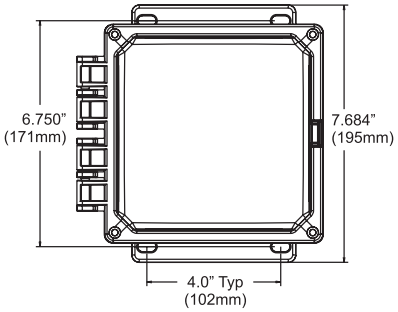
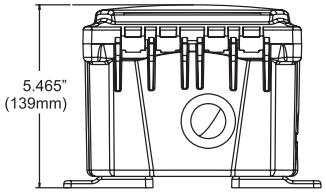






Inputs

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

Signals
pH/ORP: ±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 ±1500 mV (ORP)
Resolution	0.0015 pH units (.01 pH displayed) 92 μV (1mV displayed) (ORP)
Accuracy (calibrated)	±0.01 pH ±1mV (ORP)
Temperature Range	32 to 212°F (0 to 100°C)
Resolution	±0.09°F (.05°C)
Accuracy	±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 ± 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)