



A200BX Series Pump			
Lead Color	Function	I/O	Specification
Red	Motor Voltage	Input	8 to 26.4VDC (24VDC Nominal)
Black	Ground	Output	Power Ground
Blue	Frequency Generator	Output	Signal Current: 2mA 3ppr
Yellow	CW/CCW Control	Input	2.0 to 5.0VDC or Open = CW 0 to 0.5VDC = CCW
White (If Present)	Brake	Input	2.0 to 5.0VDC or Open = Motor On 0 to 0.5VDC = Motor Off
Green	PWM Speed Control	Input	Frequency: 20 to 30KHz (0 to 5VDC) 0% On Duty Cycle = Motor On 100% On Duty Cycle = Motor Off

A300B & L400B Series Pumps			
Lead Color	Function	I/O	Specification
Red	Motor Voltage	Input	8 to 26.4VDC (24VDC Nominal)
Black	Ground	Output	Power Ground
Blue	Frequency Generator	Output	Signal Current: 2mA 3ppr
Yellow	CW/CCW Control	Input	2.0 to 5.0VDC or Open = CW 0 to 0.5VDC = CCW
White	Brake	Input	2.0 to 5.0VDC or Open = Motor On 0 to 0.5VDC = Motor Off
Green	PWM Speed Control	Input	Frequency: 20 to 30KHz (0 to 5VDC) 0% On Duty Cycle = Motor On 100% On Duty Cycle = Motor Off

A300BX, L400BX & A600BX Series Pumps			
Lead Color	Function	I/O	Specification
Red	Motor Voltage	Input	8 to 26.4VDC (24VDC Nominal)
Black	Ground	Output	Power Ground
Blue	Frequency Generator	Output	Signal Current: 2mA 6ppr
Yellow	CW/CCW Control	Input	2.0 to 5.0VDC or Open = CW 0 to 0.5VDC = CCW
White	Brake	Input	2.0 to 5.0VDC or Open = Motor On 0 to 0.5VDC = Motor Off
Green	PWM Speed Control	Input	Frequency: 20 to 30KHz (0 to 5VDC) 0% On Duty Cycle = Motor On 100% On Duty Cycle = Motor Off

ANKO BLDC pumps can be operated without the need of an additional controller.

Minimum requirements to operate:

1. Red Wire - Attach to a 24VDC power supply
2. Black Wire - Attach to the ground of the power supply
3. Green Wire - Attach to the ground of the power supply

To reverse the rotation of the pump, connect the yellow wire to the ground of the power supply.