

AquaPlug and AquaTronic control panel



General

Submersible dewatering pumps XJ 25-110, XJC 50-110 and XJS 25-110 can be equipped with a built-in AquaTronic unit that replaces the contactor and integrates electronic intelligence to the pump, ensuring correct motor rotation by automatically adjusting for incorrect phase order. It also protects the motor by stopping the pump in the event of over-ampereage, overheating, low or high voltage or missing phase.

AquaPlug and AquaTronic control panel combine with pumps equipped with AquaTronic to provide additional alarm and start/stop functions, as well as indications for important parameters. A ring of lights clarify the pump status (running/stopped/energy save mode).

Procedure

When the pump and AquaPlug/AquaTronic control panel are connected to each other they will automatically start pairing, which is indicated by a flashing green light. When the pairing is done the pump starts running.

AquaPlug/AquaPanel has a built in memory of which pump they were paired to last time, this is done to ensure that the units will find the correct pumps if a power failure occurs on more than one pump in an installation.



AquaTronic control panels

AquaPanel	Voltage, frequency	Amp	AquaTronic control panel (P/N complete with box)
00863683	208-230 V 50/60 Hz	16A M25	00863836
		32A M25	00863837
		50A M25	00863838
		32A M40	00863839
00863684	380-415 V 50/60 Hz	50A M40	00863840
		16A M25	00863841
00863685	460-550 V 50/60 Hz	32A M25	00863842
		32A M40	00863843
00863686	460-550 V 50/60 Hz	16A M25	00863844
		32A M25	00863845
00863686	460-550 V 50/60 Hz	16A M25	00863846
		32A M25	00863847

AquaPlug

Type	Voltage, frequency	P/N
AquaPlug 16 A	208-230 V 50/60 Hz	00863365
	380-415 V 50/60 Hz	00863184
	460-550 V 50/60 Hz	00863542
	575-600 V 50/60 Hz	00863369
AquaPlug 32 A	208-230 V 50/60 Hz	00863366
	380-415 V 50/60 Hz	00863288
	460-550 V 50/60 Hz	00863543
	575-600 V 50/60 Hz	00863370

Pump control options

Features	Basic pump configuration with contactor	Pump with AquaTronic	Pump with AquaTronic and level sensor	Pump with AquaTronic and AquaPlug / AquaTronic control panel	Pump with AquaTronic and AquaPlug / AquaTronic control panel and level sensor	Service data kit Read out
Run mode	X	X	X	X	X	
Integrated start equipment	X	X	X	X	X	
Automatic direction of rotation		X	X	X	X	
Motor protection high temp	X	X	X	X	X	X
Motor protection high amp		X	X	X	X	X
Protection against missing phase		X	X	X	X	X
Level control			X		X	
Dry run protection			X		X	
Automatic restarting			X		X	
Stop mode				X	X	
E-mode (Automatic stop/run)					X	
Indication of water in oil				X	X	X
Indication of low motor insulation				X	X	X
Indication of high or low voltage				XX	XX	X
Indication of high temperature				XX	XX	X
Indication of high amp				XX	XX	X
Indication of phase unbalance				XX	XX	X
USB cable connection		X	X	X	X	X
Crash log (10 latest)						X
Documentation (spare part list, workshop manual)						X

XX = Fault indication when pump is automatically stopped to protect the motor.