



APX CONTROL PANEL FEATURE MATRIX

Item		APX11		APX12		APX31		APX32	
Power	Name	Single phase simplex		Single phase duplex		Three phase simplex		Three phase duplex	
	Voltage	1-phase, 110 -240 VAC 50/60Hz				3-phase, 380/400 VAC 50Hz With Neutral Line			
	Pump Current	1.0 – 12.5 A				1.0 – 11.5 A			
	Pump quantity	1		2		1		2	
Appearance	Operation temperature	-5 to 40°C (average over a period of 24h does not exceed 35°C)							
	Outdoor use (UV protection)	√							
	Panel IP grade	IP66							
	UL certification Enclosure	Clear cover with grey housing							
	Integrated mounting tab / Padlockable	√ (Easy for installation)							
	Enclosure flame rating	UL94 5VA							
	Panel overall size (mm)	316 x 201 x 102		350 x 253 x 131					
LCD display	Touch screen / Friendly user interface	√							
	Language	EN / CN							
	Voltage monitoring	√							
	Pump current setting / monitoring	√							
	Float switch status	√							
	Level unit (Sensor mode only)	Inch / mm							
	Dynamic tank level monitoring (Sensor mode only)	√							
	Pump run/stop indication	√							
	Pump HOA mode setting/indication	√							
	Present alarm text indication	√							
	Wi-Fi connection status	√							
	I/O Status / Parameter setting summary	√							
	Alarm logs	√							
	Data logs (pump run time, pump run cycle, faults)	√							
Signal inputs	Float switch	2-3 floats		2-4 floats		2-3 floats		2-4 floats	
	SJE SL-10F level sensor	√							
	Standard 2 or 3 wires 4-20mA transducer (12VDC)	√							
Functions	Schedule test run / Weekly excise (Programmable)	√							
	Start/stop time delay (Programmable)	√							
	Sensor/float failure detection	√							
	Automatic backup control	√							
	Automatic pump alternation (Duty pump selectable)			√				√	
	High level alarm (Run pump / alarm only)	√							
Pump protections (programmable)	Overload protection (Auto reset / manual reset)	√							
	Dry run protection (Auto reset / manual reset)	√							
	Rapid cycle monitor / protection	√							
	Overtime run protection	√							
	Over-temp. protection (If pump build in thermal switch)	√							
Other protections	Over/under voltage protection	√							
	PCA surge protection	√							
	Phase protection (Loss, incorrect, current unbalance)					√			
	Short circuit protection					√			
Alarms	Pump failure alarm	√							
	Float / Sensor failure alarm	√							
	Alarm output relay	√							
	Audile alarm (buzzer)	√							
	Visual alarm (beacon)	√							
	Alarm reset / alarm test	√							
Communication / Connectivity	Alarm output dry contact (BMS connection)	1		2		1		2	
	RS485 (Modbus RTU)	√							
	Wi-Fi (Alarm push notification and data viewing via APP)	√							