

# SUBMITTAL

## Oil Logic



# Spartan

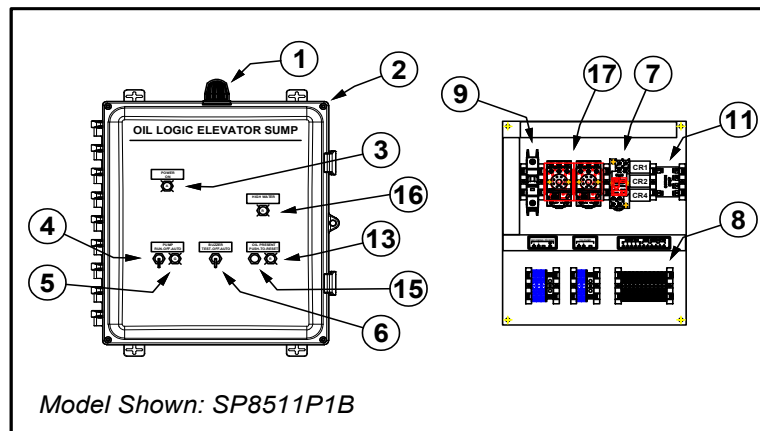


# FEATURES

- Type 4X construction withstands outdoor installations and prevents corrosion
- Lockable hinged front enclosure door
- Main disconnect with direct mount operator
- Combination Circuit Breaker/Overload motor starter (3 Phase Units)
- Motor Circuit Breaker (1 Phase Units)
- Motor Contactor
- Amber Power on Light
- Pump Hand-On-Auto selector switch with green pump run lights
- High Water Alarm Light
- Oil Present Alarm Light
- Oil Present Reset Button
- Buzzer Test-Off-Auto selector switch
- Cougar Oil In Water Sensor/High Water Sensor
- Control voltage stepdown transformer (3 Phase Units)
- 360° visible red alarm beacon
- Piezo alarm buzzer
- Dry contact remote alarm interface
- Color coded wiring
- Numbered screw type field termination block
- Field wiring diagram and installation instructions included

# PANEL COMPONENTS

1. Alarm Beacon
2. TYPE 4X Enclosure
3. Power On Indicator
4. Pump Run Indicator
5. Pump Selector switch
6. Alarm Selector switch
7. Control Relay
8. Terminal Strip
9. Main Disconnect
10. Alarm Horn
11. Pump Contactor
12. Motor Starter Combo Circuit Breaker/Overload (3Phase Only)
13. Oil Present Alarm indicator
14. Control Transformer (3Phase Only)
15. Oil Present Reset button
16. High Water alarm indicator
17. Conductivity Relays



# ENCLOSURE DIMENSIONS

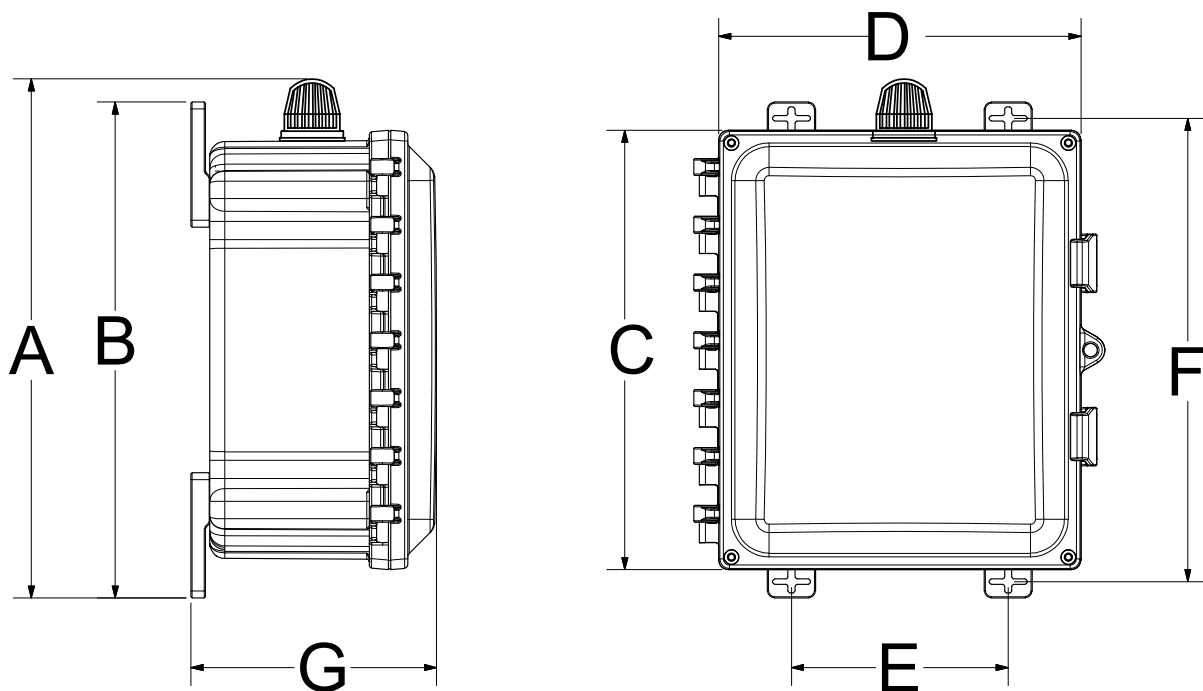
## SINGLE PHASE SIMPLEX - 16x14x08

A	B	C	D	E	F	G
19.47	18.88	17.41	15.41	11.63	18.03	9.86

## THREE PHASE SIMPLEX - 18x16x10

A	B	C	D	E	F	G
21.45	20.88	19.41	17.41	13.63	20.03	11.86

*\*\*Selecting multiple options will upsize enclosure.*





# PANEL SELECTION

	<u>VOLTAGE</u>
(11)	120vac - 1 Phase
(12)	208/240vac - 1 Phase
(32)	208/240vac - 3 Phase
(34)	460/480vac - 3 Phase
(36)	600vac - 3Phase

	<u>TYPES</u>
(P1)	Simplex
(P2)	Duplex (custom)

	<u>1PH AMPERAGE</u>
(B)	0-15Amp

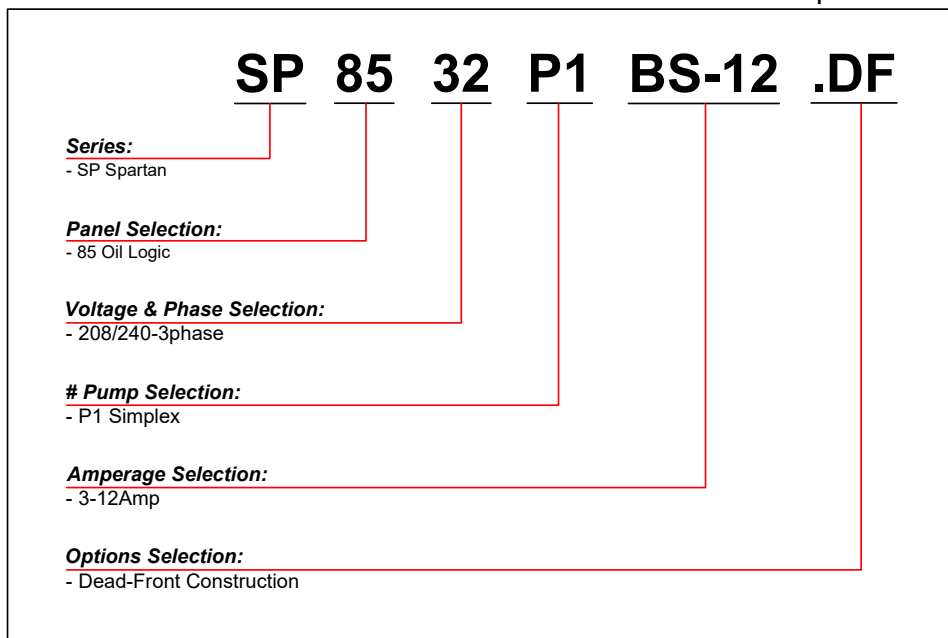
	<u>3PH AMPERAGE</u>
(BW-1.6)	1-1.6 Amp
(BW-2.5)	1.6-2.5 Amp
(BW-4)	2.5-4 Amp
(BW-6.3)	4-6.3 Amp
(BW-10)	6.3-10 Amp
(BW-16)	10-16 Amp
(BW-20)	16-20 Amp
(BW-25)	20-25 Amp
(BS-5)	1.25-5 Amp
(BS-12)	3-12 Amp
(BS-32)	8-32 Amp

	<u>OPTIONS</u>
(DF)	Dead-Front
(IS)	Intrinsically Safe
(BI)	BACnet
(6K)	65K SCCR
(10K)	100K SCCR
(SS)	Stainless Steel Enclosure
	Custom

## SP8532P1BS-12.DF

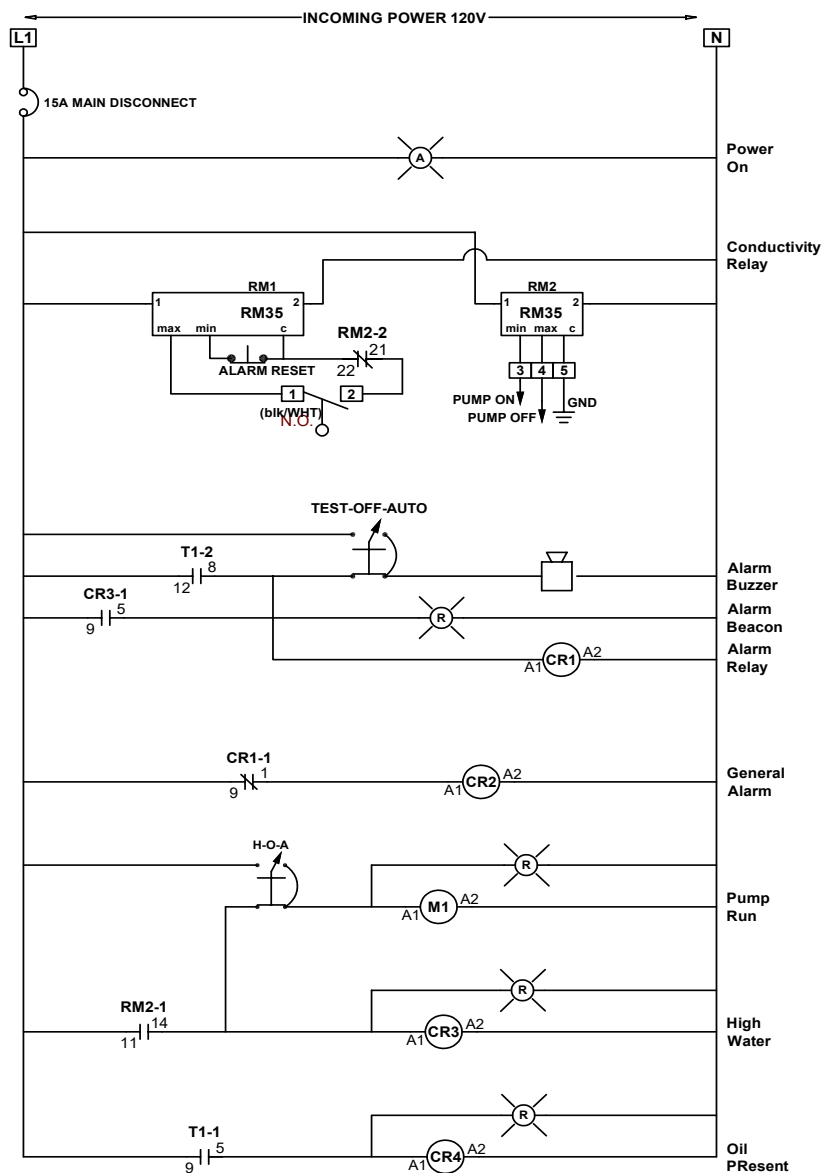
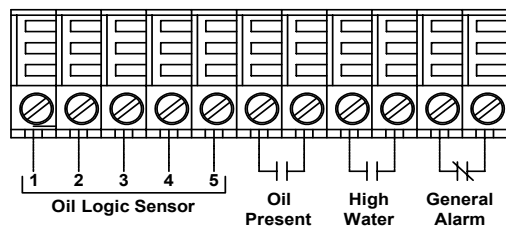
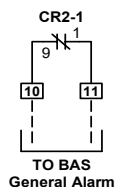
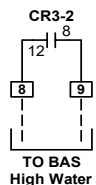
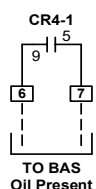
Panel Selection Breakdown

Example Part #:



# CONTROLS DIAGRAM

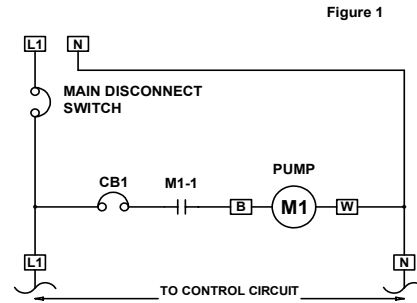
1. Standard Simplex Oil Logic system. See *sensor details* in page 7 of Submittal. See *Sequence of Operation* in IOM. Adder options available.



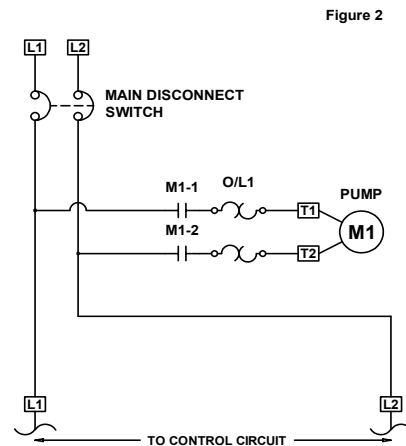


# MOTOR CONTROLS

1. Standard Motor Controls Incoming Power Service of 115/120vac - 1 phase. Simplex setup (Figure 1). Adder Options Available.



1. Standard Motor Controls Incoming Power Service of 200/240vac - 1 phase. Simplex setup (Figure 1). Adder Options Available.



1. Standard Motor Controls Incoming Power Service of 200/240/480vac - 3 phase. Simplex setup (Figure 1). Adder Options Available.

