

Single Phase, 115/200/230 volt, for Sewage, Effluent & Non-Clog Pumps



	Type 4X polycarbon		
<b>Circuit breaker</b>	For pump and control circuits		
Contactor	Definite purpose		
HOA switch	Three position toggle HP rated		
Alarm switch	Three position toggle HP rated		
Run light	Amber neon pilot light		
Bracket	Bright aluminum		
Fuse	Control and alarm sized at 3 amps		
Terminal strip	Box type lugs sectional		
Wiring	Color coded		
Visible alarm	360 degree flashing		
Audible alarm	Piezo buzzer		
Level control	Requires 3 floats rated at 2 amps		
Certifications	UL 508A		

Consult factory for other available options. Some options may require an increase in the enclosure size.

Volts	Phase	Amps	Part number
115	1	20	BP11S4XNM020
200	1	20	BP01S4XNM020
230	1	20	BP21S4XNM020
230	1	40	BP21S4XNM040



Single Phase, 115/200/230 volt, for Sewage, Effluent & Non-Clog Pumps



Enclosure	Type 4X polycarbon		
Circuit breaker	For pump and control circuit		
Contactor	Definite purpose		
HOA switch	Three position toggle HP rated		
Alarm switch	Three position toggle HP rated		
Run light	Amber neon pilot light		
Alternating relay	With lead selector switch		
Bracket	Bright aluminum		
Fuse	Control and alarm sized at 3 amps		
Terminal strip Box type lugs sectional			
Wiring	Color coded		
Visible alarm 360 degree flashing			
Audible alarm Piezo buzzer			
Level control Requires 4 floats rated at 2 amp			
Certifications	5 UL 508A		

Consult factory for other available options. Some options may require an increase in the enclosure size.

Volts	Phase	Amps	Part number
115	1	20	BP11D4XNM020
200	1	20	BP01D4XNM020
230	1	20	BP21D4XNM020
230	1	40	BP21D4XNM040





Single Phase, 200/230 volt, for Sewage, Effluent & Non-Clog Pumps w/ Start Components



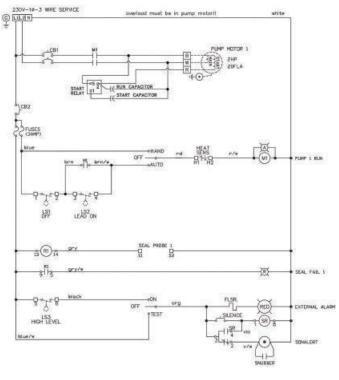
Enclosure	Type 4X polycarbon		
Circuit breaker	For pump and control circuit		
Contactor	Definite purpose		
HOA switch	Three position toggle HP rated		
Alarm switch	Three position toggle HP rated		
Run light	Amber neon pilot light		
Start components	Potential relay and capacitors		
Moisture sensor*	Seal fail circuit and light		
Temp sensor*	Heat sensor connections		
Bracket	t Bright aluminum		
Fuse	Control and alarm sized at 3 amps		
Terminal strip	Box type lugs sectional		
Wiring	g Color coded		
Visible alarm	n 360 degree flashing		
Audible alarm	າ Piezo buzzer		
Level control	Requires 3 floats rated at 2 amps		
Certifications	UL 508A		

\* Requires sensor to be in pump.

Consult factory for other available options. Some options may require an increase in the enclosure size.

Volts	Phase	Amps	Part number
200	1	20	BP01CS4XNM020
230	1	20	BP21CS4XNM020
230	1	40	BP21CS4XNM040

NOTE: Overloads must be located in pump.



**SPECIFICATIONS** 





Single Phase, 200/230 volt, for Sewage, Effluent & Non-Clog Pumps w/ Start Components



**Enclosure** Type 4X polycarbon Circuit breaker For pump and control circuit **Contactor** Definite purpose **HOA switch** Three position toggle HP rated Alarm switch Three position toggle HP rated Run light Amber neon pilot light **Start components** Potential relay and capacitors Alternating relay With lead selector switch Moisture sensor\* Seal fail circuit and light Temp sensor\* Heat sensor connections **Bracket** Bright aluminum Fuse Control and alarm sized at 3 amps Terminal strip Box type lugs sectional Wiring Color coded Visible alarm 360 degree flashing Audible alarm Piezo buzzer with silence switch Level control Requires 4 floats rated at 2 amps

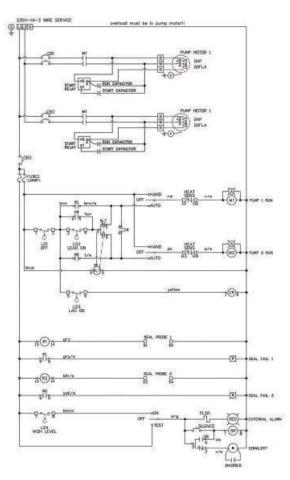
Certifications UL 508A

\* Requires sensor to be in pump.

Consult factory for other available options. Some options may require an increase in the enclosure size.

Volts	Phase	Amps	Part number
200	1	20	BP01CD4XNM020
230	1	20	BP21CD4XNM020
230	1	40	BP21CD4XNM040

NOTE: Overloads must be located in pump.



**SPECIFICATIONS** 





Three Phase, 200 volt, for Sewage, Effluent & Non-Clog Pumps

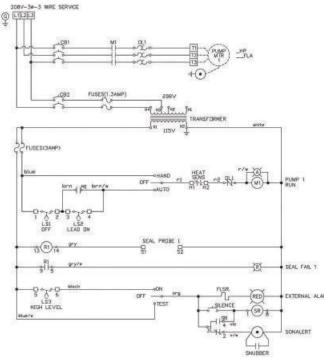


**Enclosure** Type 4X Polycarbon Circuit breaker For pump and control circuit Motor starter IEC rated with class 10 overload **HOA switch** Three position toggle HP rated Alarm switch Three position toggle HP rated Run light Amber neon pilot light **Transformer** With fuse protection Moisture sensor\* Seal fail circuit and light Temp sensor\* Heat sensor connections Bracket Bright aluminum **Fuse** Control and alarm sized at 3 amps **Terminal strip** Box type lugs sectional Wiring Color coded Visible alarm 360 degree flashing Audible alarm Piezo buzzer Level control Requires 3 floats rated at 2 amps Certifications UL 508A

\* Requires sensor to be in pump.

Consult factory for other available options. Some options may require an increase in the enclosure size.

Volts	Phase	Amps	Part number
200	3	2.4 - 4	BP03S4XNM004
200	3	4 - 6	BP03S4XNM006
200	3	6 - 10	BP03S4XNM010
200	3	9 - 12	BP03S4XNM012
200	3	10 - 16	BP03S4XNM016
200	3	16 - 18	BP03S4XNM018
200	3	18 - 24	BP03S4XNM024
200	3	24 - 32	BP03S4XNM032
200	3	32 - 40	BP03S4XNM040







# DUPLEX CONTROL PANELS

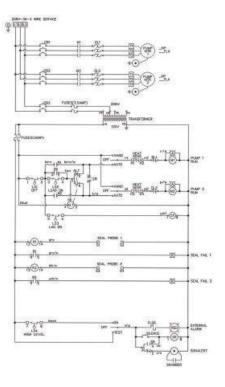
Three Phase, 200 volt, for Sewage, Effluent & Non-Clog Pumps



Enclosure	Type 4X Polycarbon
Circuit breaker	For pump and control circuit
Motor starter	IEC rated with class 10 overload
HOA switch	Three position toggle HP rated
Alarm switch	Three position toggle HP rated
Run light	Amber neon pilot light
Transformer	With fuse protection
Moisture sensor*	Seal fail circuit and light
Temp sensor*	Heat sensor connections
Bracket	Bright aluminum
Fuse	Control and alarm sized at 3 amps
Terminal strip	Box type lugs sectional
Wiring	Color coded
Visible alarm	360 degree flashing
Audible alarm	Piezo buzzer
Level control	Requires 3 floats rated at 2 amps
Certifications	UL 508A

Volts Phase Amps Part number 200 2.4 - 4 BP03D4XNM004 3 BP03D4XNM006 200 3 4 - 6 200 3 6 - 10 BP03D4XNM010 200 3 9 - 12 BP03D4XNM012 200 3 10 - 16 BP03D4XNM016 200 16 - 18 3 BP03D4XNM018 200 3 18 - 24 BP03D4XNM024 200 3 24 - 32 BP03D4XNM032 200 3 32 - 40 BP03D4XNM040

NOTE: Overloads must be located in pump.



\* Requires sensor to be in pump.

Consult factory for other available options. Some options may require an increase in the enclosure size.



Last update: 07/22/2015



Three Phase, 230 volt, for Sewage, Effluent & Non-Clog Pumps



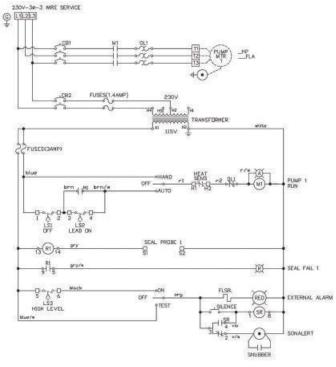
**Enclosure** Type 4X Polycarbon Circuit breaker For pump and control circuit Motor starter IEC rated with class 10 overload **HOA switch** Three position toggle HP rated Alarm switch Three position toggle HP rated Run light Amber neon pilot light Transformer With fuse protection Alternating relay With lead selector switch Moisture sensor\* Seal fail circuit and light Temp sensor\* Heat sensor connections Bracket Bright aluminum Fuse Control and alarm sized at 3 amps Terminal strip Box type lugs sectional Wiring Color coded Visible alarm 360 degree flashing Audible alarm Piezo buzzer Level control Requires 4 floats rated at 2 amps Certifications UL 508A \* Requires sensor to be in pump.

Consult factory for other available options. Some options

may require an increase in the enclosure size.

Volts Phase Amps Part number 230 3 2.4 - 4 BP23S4XNM004 230 3 4 - 6 BP23S4XNM006 230 3 6 - 10 BP23S4XNM010 230 3 9 - 12 BP23S4XNM012 230 3 10 - 16 BP23S4XNM016 BP23S4XNM018 230 3 16 - 18 230 3 18 - 24 BP23S4XNM024 230 3 24 - 32 BP23S4XNM032 BP23S4XNM040 230 3 32 - 40

NOTE: Overloads must be located in pump.







Three Phase, 230 volt, for Sewage, Effluent & Non-Clog Pumps



Enclosure	Type 4X Polycarbon		
Circuit breaker	For pump and control circuit		
Motor starter	IEC rated with class 10 overload		
HOA switch	Three position toggle HP rated		
Alarm switch	Three position toggle HP rated		
Run light	Amber neon pilot light		
Transformer	With fuse protection		
Alternating relay	With lead selector switch		
Moisture sensor* Seal fail circuit and light			
Temp sensor*	Heat sensor connections		
Bracket	Bright aluminum		
Fuse	Control and alarm sized at 3 amps		
Terminal strip	Box type lugs sectional		
Wiring	Color coded		
Visible alarm 360 degree flashing			
Audible alarm Piezo buzzer			
Level control	<b>rol</b> Requires 4 floats rated at 2 amps		
Certifications	UL 508A		

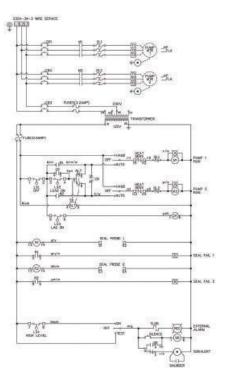
\* Requires sensor to be in pump.

Consult factory for other available options. Some options may require an increase in the enclosure size.

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Last update: 07/22/2015

Volts	Phase	Amps	Part number
230	3	2.4 - 4	BP23D4XNM004
230	3	4 - 6	BP23D4XNM006
230	3	6 - 10	BP23D4XNM010
230	3	9 - 12	BP23D4XNM012
230	3	10 - 16	BP23D4XNM016
230	3	16 - 18	BP23D4XNM018
230	3	18 - 24	BP23D4XNM024
230	3	24 - 32	BP23D4XNM032
230	3	32 - 40	BP23D4XNM040





# SIMPLEX CONTROL PANELS

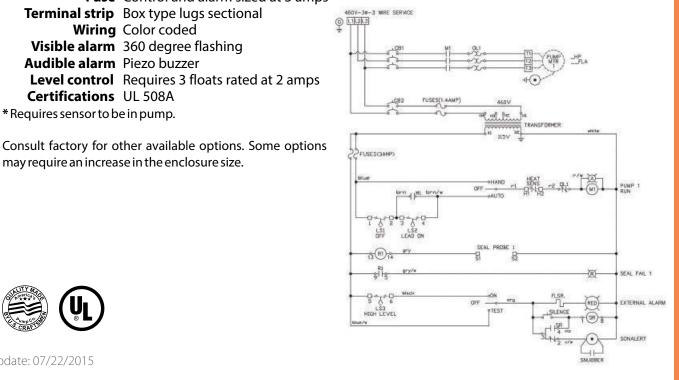
Three Phase, 460 volt, for Sewage, Effluent & Non-Clog Pumps



Enclosure	Type 4X Polycarbon	
Manual motor	With class 10 overload	
protector		
Motor contactor	IEC rated	
HOA switch	Three position toggle HP rated	
Alarm switch	Three position toggle HP rated	
Run light	Amber neon pilot light	
Transformer	With fuse protection	
Moisture sensor*	Seal fail circuit and light	
Temp sensor*	Heat sensor connections	
Sub door	Bright aluminum	
Fuse	Control and alarm sized at 3 amps	
Terminal strip	Box type lugs sectional	
Wiring	Color coded	
Visible alarm	360 degree flashing	
Audible alarm	Piezo buzzer	
Level control	Requires 3 floats rated at 2 amps	
Certifications	UL 508A	
* Requires sensor to be in pump.		

Volts Phase Amps Part number 460 2.4 - 4 BP43S4XNM004 3 460 3 4 - 6 BP43S4XNM006 3 460 6 - 10 BP43S4XNM010 460 3 9 - 12 BP43S4XNM012 460 3 10 - 16 BP43S4XNM016 16 - 18 460 3 BP43S4XNM018 460 3 18 - 24 BP43S4XNM024 460 3 24 - 32 BP43S4XNM032 460 3 32 - 40 BP43S4XNM040

NOTE: Overloads must be located in pump.





may require an increase in the enclosure size.



Three Phase, 460 volt, for Sewage, Effluent & Non-Clog Pumps

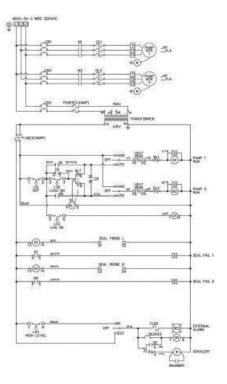


Enclosure	Type 4X Polycarbon	
Manual motor	With class 10 overload	
protector		
Motor contactor	IEC rated	
HOA switch	Three position toggle HP rated	
Alarm switch	Three position toggle HP rated	
Run light	Amber neon pilot light	
Transformer	With fuse protection	
Alternating relay	With lead selector switch	
Moisture sensor*	Seal fail circuit and light	
Temp sensor*	Heat sensor connections	
Sub door	Bright aluminum	
Fuse	Control and alarm sized at 3 amps	
Terminal strip	Box type lugs sectional	
Wiring	Color coded	
Visible alarm	360 degree flashing	
Audible alarm	Piezo buzzer	
Level control	Requires 4 floats rated at 2 amps	
Certifications	UL 508A	
* Requires sensor to be in pump.		

Consult factory for other available options. Some options may require an increase in the enclosure size.

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Volts	Phase	Amps	Part number
460	3	2.4 - 4	BP43D4XNM004
460	3	4 - 6	BP43D4XNM006
460	3	6 - 10	BP43D4XNM010
460	3	9 - 12	BP43D4XNM012
460	3	10 - 16	BP43D4XNM016
460	3	16 - 18	BP43D4XNM018
460	3	18 - 24	BP43D4XNM024
460	3	24 - 32	BP43D4XNM032
460	3	32 - 40	BP43D4XNM040





# **FROL PANEL** ADDERS

Image: Cycle counterImage: CCycle counterC2Phase monitorPMVoltage monitorVMVMImage: CAux. contactsAXAux. contactsH1Lighting arrestor 10/LA1Image: CImage:	Description	Model #		
Cycle counterC2Image: Counter of the second s	Elapsed time meter	C1		
Voltage monitorVMImage: Constant of the second secon	Cycle counter	C2	UTTELENTS N	
Aux. contactsAXAXImage: Contact Single Conta	Phase monitor	PM		
Loud horn H1 Constant LA1 Constant Cons	Voltage monitor	VM	0	
Lighting arrestor 1Ø LA1	Aux. contacts	AX		
	Loud horn	H1		
Lighting arrestor 3Ø LA3	Lighting arrestor 1Ø	LA1		
	Lighting arrestor 3Ø	LA3		



Consult factory for other available options. Some options may require an increase in the enclosure size.