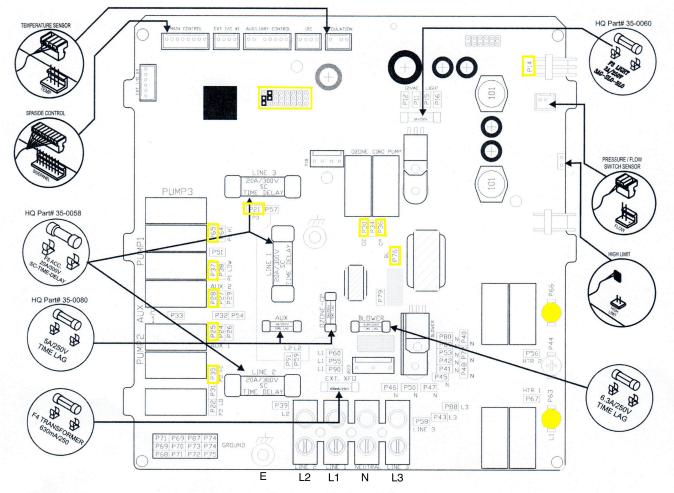
33-0028A-K PCB KIT



MP 10-KEY TERMINAL AND **CIRCUIT ID SHEET**

		Current Rev	614_100
	33-0028A-K	R1	
PUMP 1	High Speed	P65	
	Low Speed	P37	
	Common	N	
	Ground	Ground	
PUMP 2	High Speed	P35	
	Low Speed	P22	
	Common	N	
	Ground	Ground	
PUMP 3	Hot	P21	
	Common	N	
	Ground	Ground	
BLOWER	Hot	P76	
	Common	N	
	Ground	Ground	
OZONE	Hot	P30	
	Common	N	
	Ground	Ground	
CIRC	Hot	P36	
	Common	N	
	Ground	Ground	
LIGHT	Light	P14	
	Light Wires	P14	
AUX 1	Hot	P25	
AUX 2	Hot	P28	

IMULTI-PHASE CONNECTION & SETUP INSTRUCTIONS

SINGLE PHASE L1 x 164 OF 1 x 3241:

Input power is Line and Neutral as shown in Figure 1.

White wire jumpers MUST be installed from P59 to P60 (short) and from P91 to P57 (long) as shown in Figure 1.

Jumper #1 and #2 must be positioned as shown in Figure 2 or Figure 3.

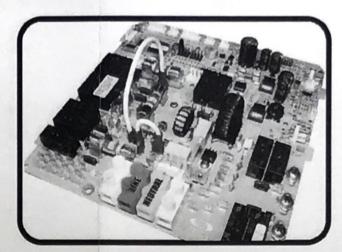


Fig. 1



1 x 32 amps



Fig. 3

TWO PHASE (2) x 16A):

Input power is Line 1, Line 2 and Neutral as shown in Figure 4.

The short White wire jumper MUST be removed from P59 to P60, the long White wire jumper MUST remain installed from P91 to P57 as shown in Figure 4.

Jumper #1 and #2 must be positioned as shown in Figure 5.

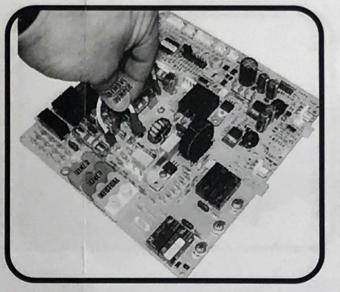




Fig. 2



Fig. 5



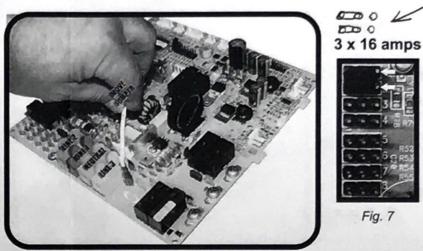
MULTI-PHASE CONNECTION & SETUP INSTRUCTIONS

THREETPHASE 18 x 16AL

Input power is Line 1, Line 2, Neutral and Line 3 as shown in Figure 6.

One end of the long White wire jumper MUST be moved from P91 to P58 as shown in Figure 6. (Note: the short White wire jumper MUST be removed as in the 2 x 16A instructions)

Jumper #1 and #2 must be positioned as shown in Figure 7.



000

000

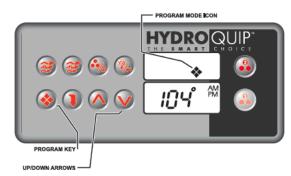
Fig. 7

Fig. 6

These instructions describe single, two and three phase connections for CS/ES9700 series controls. HYDROQUIP cannot be held liable for damage caused by mis-wire if these instructions are not followed carefully. All installations must be accomplished by a licensed electrician and must conform to all National and local codes at the time of installation

9700 SERIES - LOW LEVEL PROGRAMMING

It is possible to change the parameters of the system from the spaside control. All circuit presets have been programmed at the factory. Follow the procedures described below to adjust these settings.



- Press & Hold the Program key for approx 20 seconds. A value of P1_X will appear in the lower window
 and the Program icon will appear in the upper window indicating that programming mode is active. (X =
 1 or 2 in this case)
- To advance to the next setting press the Program key
- To change a setting Press the Up or Down key accordingly
- After desired changes are made press the Program key repeatedly to advance through the rest of the settings, exit the programming mode, and reset the system.

PROGRAMMABLE VALUES

