

M.Class PCB Low Level Programing and Jumper Settings

Functionality	Hold <i>Econo</i> key for 20s, 1 st parameter will appear (Up/ Down keys modify values)					
Duration	Press <i>Econo</i> key to display next parameter, System will reset after last parameter					
Display	As table below, Default values in bold .					
Parameter	Display	Value of x				
Pump #1	P1 x	1 = Single Speed		2 = Dual speed		
Pump #2	P2 x	0 = Not install		1 = One speed		2 = Two speed
Pump #3	P3 x	0 = Not install		1 = One speed		
Blower	bL x	0= Not install	1= One speed	2= Two speed	3= three speed	
Light	LI x	0= Not install	1=12 VAC (single-intensity)	2=12 VAC (three-intensity)	3=120 VAC	4= INTERNAL Fibber box
Ozone	O3 x	0 = not installed	1 = on only during Filter cycle	2 = always on	3= on with the circulation pump	
Circulation Pump	CP x	0 = not installed	1 = regulated (with spa temperature)	2 = always on	3= Always on but off when 2 degree over set point	
Filtration cycle	FC x	1 = filtration cycle enable			2 = Filtration cycle replaced by a purge cycle	
Pressure switch	PS x	0 = with pump one			1 = with the circulation pump (CP can not be at 0)	
Time out output	To x	0=20 minutes		1=30 minutes	2=40 minutes	
Current pump #1	C1 x	Select the current of the pump#1 (1-15)				
Current pump #2	C2 x	Select the current of the pump#2 (1-15)				
Current pump#3	C3 x	Select the current of the pump#3 (1-15)				
Current blower	Cb x	Select the current of the blower (1-8)				
Current heater	CH x	Select the current of the heater (12-23)				

These are the jumpers default configuration:

Jumper Number	Function	Position 1 (Left)	Position 2 (Right)
JMP-1	Input Current Mode	1 x 32A, 1 phase	3 x 16A, 3-phase
JMP-2	Keypad for TSC4 or 8	Keypad with 10 keys	Keypad with 8 keys
JMP-3	TSC	TSC-4	TSC-8/K-72 or TSC-47 see JMP4
JMP-4	TSC	TSC-47	TSC-8/K-72

Note: - Keypad with 10 keys mandatory if Pump #3 or RTC required. Factory Default values in bold

* If CP not installed is chosen then software will automatically default to Pump 1.