

Liquitron™ DP5000 pH Controller – Programming Quick Card

Software Version 5.4

MAIN KEYS

FUNCTION	PRESS	DISPLAY
ON/OFF		<div style="border: 1px solid black; padding: 5px;"> ALARM Pump A Point 1 12.50 pH 46:28 Run min sec ATC </div>
CONTROL ON		<div style="border: 1px solid black; padding: 5px;"> Pump A OFF ATC </div>
CONTROL OFF		<div style="border: 1px solid black; padding: 5px;"> Pump A OFF ATC </div>
VALUES	OR	INCREASE/DECREASE DISPLAY VALUES
PRIME PUMP A -	+5 SEC	<div style="border: 1px solid black; padding: 5px;"> Pump A P_{ri} 90 Pulses / Min </div>
PRIME PUMP B -	+5 SEC	<div style="border: 1px solid black; padding: 5px;"> Pump B P_{ri} 65 Pulses / Min </div>
TIMERS		<div style="border: 1px solid black; padding: 5px;"> Pump A 46:35 Run min sec </div>
PROBE READING		<div style="border: 1px solid black; padding: 5px;"> Pump A 00.3 mV 8.50 Run pH ATC </div> +3 SEC <div style="border: 1px solid black; padding: 5px; margin-left: 20px;"> 25.0 °C 8.50 Run pH ATC </div> +3 SEC <div style="border: 1px solid black; padding: 5px; margin-left: 20px;"> 12.60 mA 8.50 Run pH ATC </div>
SETUP	+5 SEC	<div style="border: 1px solid black; padding: 5px;"> 05.4 088 </div>
ALARMS		<div style="border: 1px solid black; padding: 5px;"> ALARM Point 2 12.5 pH </div>
LOCKOUT	+	<div style="border: 1px solid black; padding: 5px;"> LOC </div>
CAL INFO		<div style="border: 1px solid black; padding: 5px;"> CALIBRATE 1 Point 59.0 mV / pH 100 % ATC </div>
CALIBRATE		<div style="border: 1px solid black; padding: 5px;"> CALIBRATE </div>

* CONTROLLER MUST BE IN EDIT (OFF) MODE TO PROGRAM SETTINGS

ISO 9001 Certified



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Specifications subject to change without notice

Replaces same of Rev. D 12/97
1760.E 8/99

CALIBRATION

Controller in Edit (Off) Mode

FUNCTION	PRESS	DISPLAY	SCROLL
SETUP CAL		+ 5 SEC	
ENTER CAL PTS			
TEMP SETTING			
MANUAL TEMP			
BUFFER 1 (SET)			
BUFFER 1 (READ)			
BUFFER 2 (SET)			
BUFFER 2 (READ)			
CALCULATE READINGS			
TEST CALCULATIONS			
CALIBRATION LIMITS: SLOPE > 70% OFFSET ±30 mV (0.5 pH)		BAD CALC Pump A OFF	GOOD CALC

ON / OFF MODE

Controller in Edit (Off) Mode

FUNCTION	PRESS	DISPLAY	SCROLL
PUMP A			
SET POINT pH			
DELAY			
BASE PUMP B IS PROGRAMMED IN A SIMILAR WAY			

PROPORTIONAL MODE**Controller in Edit (Off) Mode**

FUNCTION	PRESS	DISPLAY	SCROLL
PUMP A		Pump A Set Point 1 6.5 pH	PUMP A PROGRAMMING
POINT 1 pH		Pump A Set Point 1 8.8	pH VALUE FOR POINT 1
POINT 1 SPM		Pump A Set Point 1 10 Pulses / Min	STROKES / MIN AT POINT 1
POINT 2 pH		Pump A Point 2 10.5 pH	pH VALUE FOR POINT 2
POINT 2 SPM		Pump A Point 2 100 Pulses / Min	STROKES / MIN AT POINT 2
*POINT 3 pH		Pump A Point 3 9.5 pH	pH VALUE FOR POINT 3 *
*POINT 3 SPM		Pump A Point 3 25 Pulses / Min	STROKES / MIN AT POINT 3 *

BASE PUMP B IS PROGRAMMED IN A SIMILAR WAY

* POINT 3 ENABLED IN ADVANCED PROGRAMMING MENU

ALARM SETTINGS**Controller in Edit (Off) Mode**

FUNCTION	PRESS	DISPLAY	SCROLL
ALARM		ALARM Point 1 4.0 pH	ALARM SETTINGS
POINT 1 pH		ALARM Point 1 4.8 pH	LOW pH ALARM POINT (Pump B)
POINT 2 pH		ALARM Point 2 12.6 pH	HIGH pH ALARM POINT (Pump A)
DELAY		ALARM 0.5 pH	ENTER HYSTERESIS DELAY

ERROR MESSAGES**E1**LOW
LEVEL**E2**NO
FLOW**E3**LOW
pH**E4**HIGH
pH**E5**PUMP B
TIMER**E6**PUMP A
TIMER**E7**CAL
ERROR**E9**FAULTY
PROBE

mA SETTINGS (Optional)

Controller in Edit (Off) Mode

FUNCTION	PRESS	DISPLAY	SCROLL
READ mA			ALARMS mA
POINT 1 pH			ALARMS mA
POINT 1 mA			ALARMS mA
POINT 2 pH			ALARMS mA
POINT 2 mA			ALARMS mA

IF EQUIPPED WITH mA OUTPUT, THE USER WILL BE PROMPTED TO ENTER mA VALUES AFTER ALARM VALUES HAVE BEEN ENTERED

TIMER SETTINGS (Optional)

Controller in Edit (Off) Mode

FUNCTION	PRESS	DISPLAY	SCROLL
TIMERS			
PUMP A			- TIMERS -
PUMP B			- TIMERS -
SOLENOID			- TIMERS -
SOLENOID			- TIMERS -
pH DELAY			- TIMERS -
TEMP			- TIMERS -

A TIME SETTING OVER 11 HR : 01 MIN SETS NO TIME LIMIT (DISABLES TIMER)