

norweco® SERVICE PRO®

WASP® 11A HK SERIES INTEGRATED SYSTEM CONTROLS

START-UP AND OPERATION INSTRUCTIONS

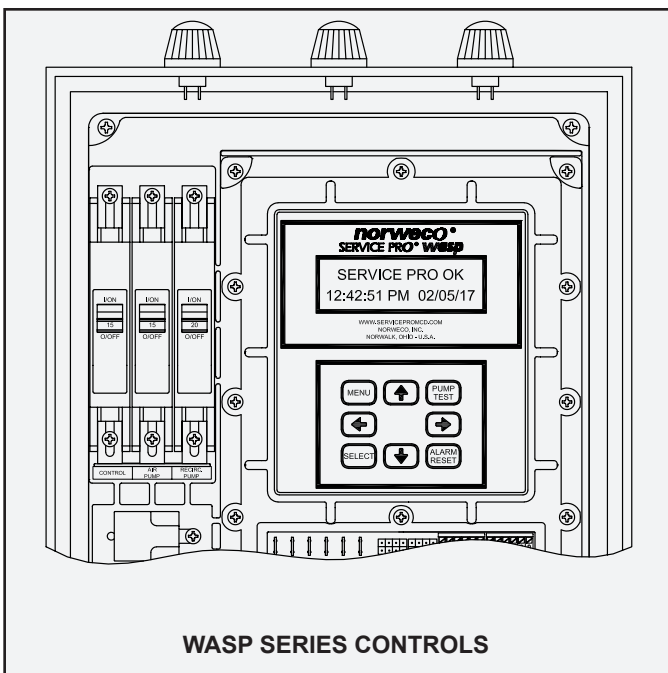
The information contained in these instructions is not intended to be a complete electrical installation reference, as code requirements vary according to geographic area. These instructions focus only on the specific requirements for the Service Pro WASP 11A HK controls. They do not cover all installation aspects of the underground electrical cable and control center, preliminary inspection, testing and service of the control center or troubleshooting. More instructions are contained in the Hydro-Kinetic Wastewater Treatment System Electrical Wiring and Control Center Installation yellow sheet. All electrical work must be performed in accordance with the latest edition of the National Electrical Code and all applicable local codes.

PROGRAMMING THE PANEL

1. After wiring has been completed, the Service Pro WASP 11A HK control center must be programmed to operate the Hydro-Kinetic system. Make sure the breakers in the home and in the panel are both in the “on” position and the display in the control center reads “SERVICE PRO OK” on the top line.
2. Press the “MENU” button on the touchpad to access the programming menu of the control center. “LANGUAGE=ENGLISH” will be displayed on the screen. Press the up or down arrow button on the touchpad to toggle between English and French.
3. Once the correct language is set, press the right arrow button on the touchpad to advance to the “SET TIME” menu. “SET HOURS” will be displayed on the screen. Press the up or down arrow button on the touchpad to set the hours value to the current hour value.
4. Once the current hours value is displayed, press the right arrow button on the touchpad to advance to the minutes, seconds, month, day and year values. Press

the up or down arrow button on the touchpad to set the digits for each of the corresponding values to the values of the current date and time. This helps in keeping the panel’s alarm history accurate.

5. Once the correct year value is displayed, press the right arrow button on the touchpad to set the air pump run time. The display will read “AERATOR RUN TIME ADVANCED TIMER”. Pressing the right arrow button will open the advanced timer setting menu. This timer is initially set to one hour on and one hour off. Follow these steps to check that it is set properly.
 - a. “AERT CYCLE ON TIME” and “SET HOURS” will be displayed on the control panel screen. If needed, press the up or down arrow buttons to set the value to 1 hours.
 - b. Press the right arrow button to set the minutes value. The display will read “SET MINUTES”. If needed, press the up or down arrow buttons to set the value to 0 minutes.
 - c. Press the right arrow button to set the seconds value. The display will read “SET SECONDS”. If needed, press the up or down arrow buttons to set the value to 0 seconds.
 - d. Press the right arrow button to set the pump off time. “AERT CYCLE OFF TIME” and “SET HOURS” will be displayed on the control panel screen. If needed, press the up or down arrow buttons to set the value to 1 hours.
 - e. Press the right arrow button to set the minutes value. The display will read “SET MINUTES”. If needed, press the up or down arrow buttons to set the value to 0 minutes.
 - f. Press the right arrow button to set the seconds value. The display will read “SET SECONDS”. If needed, press the up or down arrow buttons to set the value to 0 seconds.
6. Once the air pump run time has been set, press the right arrow button on the touchpad to set the recirculation pump run time. The display will read “PUMP TIMER MODE”. Press the up or down arrow button to change the timer mode. The WASP 11A HK control center should be set to CYCLE TIMER. CYCLE TIMER mode enables pump operation on a repeat cycle.



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SERVICE PRO® WASP® 11A HK START-UP AND OPERATION (Cont.)

7. After the CYCLE TIMER mode has been selected, press the right arrow button on the touchpad to set the pump on time and the pump off time. This is the length of time that the recirculation pump will operate each cycle. The CYCLE TIMER mode is initially set to 30 seconds on and 20 minutes off. Check that it is set correctly.
 - a. "PUMP CYCLE ON TIME" and "SET HOURS" will be displayed on the screen. Press the up or down arrow buttons to set the value to 0 hours.
 - b. Once the correct hours value has been set, press the right arrow button on the touchpad to advance to the ON minutes, ON seconds, OFF hours, OFF minutes, and OFF seconds values. Press the up or down arrow buttons on the touchpad to set the correct value for each of these. When complete, the "PUMP CYCLE ON TIME" will read "00:00:30" and the "PUMP CYCLE OFF TIME" will read "00:20:00". If a mistake was made, the left arrow button will move the cursor left.
8. Press the right arrow button on the touchpad to enter the auxiliary input alarms configuration screen. The display will read "AUXILIARY ALARMS" and the AUX1 value should be selected.
9. AUX1 and AUX2 should be left on N-OP (normally open). Press the right arrow button on the touchpad twice to select AUX3.
10. The AUX3 value should be selected. To configure auxiliary input 3 press the up or down arrow button to change the auxiliary 3 input from N-OP (normally open) to N-CL (normally closed) if required. If auxiliary input 3 will not be used, leave AUX3 set to N-OP.
11. Press the right arrow button on the touchpad to exit the programming menu. The display should read "SERVICE PRO OK" on the top line. The Service Pro WASP 11A HK control center programming is complete and the system is now ready for operation.

COMMISSIONING THE TELEMETRY SYSTEM

If the control panel includes an optional telemetry module, the commissioning process is used to electronically register the Service Pro WASP control center with the web based remote monitoring center at www.servicepromcd.com. Once commissioned, the panel is capable of automatically placing calls to the remote monitoring center. First, turn the breaker in the household power panel to the on position and verify that the control breaker in the Service Pro WASP control center is in the off position. Next, press the "ALARM RESET" button and keep it depressed while turning the control circuit breaker in the Service Pro WASP panel to the "on" position. Continue to hold in until the display reads 'LET GO TO COMMISSION'. Release the "ALARM RESET" button. The display will read 'CALLING...' indicating the Service Pro WASP control center is calling the remote monitoring center to commission the panel. When the display reads 'CALL SUCCESSFUL', the unit has been commissioned. If commissioning is unsuccessful, the display will indicate why the communications failed. Correct the problem and recommission the panel.

VIEW SYSTEM STATUS AND CONFIGURATION

The Service Pro WASP 11A HK control center records parameters regarding the Singlair system that can be reviewed at any time. To review recorded data and system parameters:

1. Press the "SELECT" button on the touchpad. The screen should display the elapsed recirculation pump run time.
2. Press the right arrow button to review the recirculation pump cycle count.
3. Press the right arrow button to review the air pump elapsed run time.
4. Press the right arrow button to review the air pump cycle count.
5. Press the right arrow button to review failsafe mode status, software version and panel serial number.
6. Press the right button arrow to review the panel alarm history.
7. Press the right arrow button to exit the parameters menu.

PUMP TEST

The Service Pro WASP 11A HK control center has a built-in pump test feature. To start a recirculation pump test, hold the "PUMP TEST" button for five seconds. The screen will display "PUMP TEST" and the recirculation pump will turn on. The recirculation pump will operate for five minutes and then will turn off.

ALARM TEST

The Service Pro WASP 11A HK control center has a built-in alarm test feature. To start an alarm test, hold the "ALARM RESET" button for five seconds. The screen will display "ALARM TEST" and the audible and visual alarms will turn on for five seconds. After five seconds, the alarms will turn off.

ALARM CONDITIONS

If the Service Pro WASP 11A HK control center detects an abnormal condition, the display will indicate the specific problem the system is experiencing. For example, if the air pump is drawing high amps, the display will read "AERATOR HIGH CURRENT." To silence the alarms and attempt to clear the alarm condition, press the "ALARM RESET" button. If the issue has been corrected, the system will turn off the alarms and resume normal operation. If a problem still exists, the audible alarm will be silenced for 48 hours, but the visual alarm will continue to light. In addition, detailed information regarding the specific problem will be displayed on the screen.

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