



Touch Pad Quick Start Service Guide

A2463

Operating Instructions:

1. Enter 4 digit passcode (Default passcode 1234)
2. Press and hold "Cover" or "Uncover" buttons until cover is in desired position
3. The keypad will automatically lock after the timeout specified (default 20 seconds)

Accessing settings menu:

1. Enter User 1 passcode (Menus are only accessible from User 1 or Service passcodes)
2. Press the "Press for Service" button
3. Press Select (5) button to enter menu
4. Use Up (2), Down (8) and Select (5) to navigate the menu options
5. Press the "Press for Service" button at any time to leave the menu option

The following Options are available in the settings menu:

- **SET PASSCODES:** Enter user code number (1-4) and then enter passcode (ie. Press 31111 to program user 3 to a passcode of 1111)
- **USER DEFAULTS:**
 - KEY BEEP – Adjust beep tone
 - PADTIMEOUT – Adjust key lock timeout (10-60 seconds)
 - WIFI ENABLE – Not available on this model
 - SERVICE CALL* – Feature not enabled
 - RF MODULE* – Allows technician to turn on or off the RF module for remote Touch Pad applications (Feature Controller with RF required for operation)
 - LINK TEST* - Display a real time signal strength for troubleshooting poor remote Touch Pad reception
 - RESET RF LINK* - Resets the RF radio to factory settings (re-sync with feature controller is required for operation after reset)
- **WIFI CONNECT:** Not available on this model
- **COVER FEATURES:** (if feature controller is installed) – displays feature controller information
- CALIBRATE POOL* - Allows Touch Pad to be calibrated to the specific pool installation sets open and close time and average currents
- CURRENT LIMITS* - Allows technician to fine tune average current and over current limits
- EDIT PFSCREEN* - Allows technician to reprogram the screen which is shown when the "Press for Service" button is pressed
- SYSTEM STATUS* - Displays system information such as cycle counts and firmware version
- FACTORY SETUP* - Will reset the Touch Pad back to original factory settings

* Only available in service mode



Touch Pad Installation and Service Guide

Introduction:

Pool Cover Specialists programmable Touch Pad is designed to provide years of reliable operation to Pool Cover Specialists automatic covers safely and conveniently. This instruction guide is meant to help understand the operation and configuration of the Touch Pad and provide a quick overview of the features that are available.

User Pool Cover Operations:

By default the Touch Pad will show "Enter code to unlock cover" when it is locked. Perform one of the following options to operate the cover.

Operating the pool cover using the service code:

1. Enter the 4 digit service code, 5991. The screen will display "User Code Accepted" followed by "Cover unlocked, Cover or Uncover" when one of the user codes has been entered correctly. If the code is entered incorrectly, the display will show "Invalid User Code".
2. After the code has been entered correctly, press and hold either the Cover or Uncover button. Release the button when the cover is in the fully covered or uncovered position.
3. The Touch Pad will automatically lock after 20 seconds of inactivity.

"Press For Service" contact information:

Press the "Press for Service" button. By default, Latham name and contact phone number will be displayed.

Accessing the service configuration menu:

The Touch Pad has several customizable options that can be accessed using the service menu. In addition to having access to all of the user customizable settings, the service menu provides additional settings to aid in proper pool cover operation. To access the service menu do the following:

1. Enter the 4 digit Service Passcode (5991)
2. Press the Service button. The display will alternate between showing the "Service Contact Information" and "Press Select (5) for Menu".
3. Press Select (5).

Number of Cover Operations:

The Touch Pad estimates how many cover uncover cycles have been performed on the pool cover and will be displayed upon login.

To scroll through the service menu options use the (2) button to scroll up, (8) button to scroll down, (4) button to scroll left, and (6) button to scroll right.

Available Menu Options

- SET PASSCODES
 - USER DEFAULTS
 - KEY BEEP
 - PADTIMEOUT
 - WIFI ENABLE
 - SERVICE CALL*
 - RF MODULE*
 - RF LINK TEST*
 - RESET RF LINK*
 - WIFI CONNECT
(Not available on this model)
 - COVER FEATURES
(if feature controller is installed)
 - CALIBRATE POOL*
 - CURRENT LIMITS*
 - EDIT PFSSCREEN*
 - SYSTEM STATUS*
 - FACTORY SETUP*
- * Only available in service mode

Set Passcodes:

The Touch Pad allows the home owner to program up to 4 customizable user codes to cover and uncover the pool. Only the primary user code (User 1) and the service code have access to program additional users. To program additional users do the following.

1. Access the user menu and scroll to "Set Passcodes".
2. Press Select (5) to select "Set Passcodes" from the menu options.
3. Enter the user number (1 - 4) followed by the new 4 digit access code. For example, press 31111 to program the passcode for user 3 to 1111.

Only User 1 and the service code are allowed access to reprogram user codes.

Defaults:

The user defaults allow the user to turn the key beeps on or off and adjust the time of inactivity required before the Touch Pad will automatically lock.

1. Access the user menu and scroll to "User Defaults".
2. Press Select (5) to select "User Defaults" from the menu options.
3. The following options are available:
 - KEY BEEP: Allows user to adjust beep noise settings. Several sounds are available or adjust to off.
 - PAD TIMEOUT: Allows the user to set the time required before the Touch Pad automatically logs out. This value is adjustable between 10 to 60 seconds.
 - WIFI ENABLE: (Not available on this model.)
 - WIFI Connect: (Not available on this model.)
 - SERVICE CALL: (Not available on this model.)
 - RF MODULE: This enables the RF Module for remote Touch Pad applications. Modules must be installed at the factory. Enable this setting to configure the RF Module to a feature controller. WIFI Connect is disabled when this setting is in use. WIFI Connect and RF Modules cannot be used on the same Touch Pad.
 - RF LINK TEST: This will display the radio signal strength between module and feature controller.
 - RESET RF LINK: This resets the radio module back to factory defaults. If reset the device will have to be synchronized to the feature controller again.
4. Use the (2) button or the (8) button to scroll through options. Press the Select (5) button to adjust the desired setting.
5. The value will show a flashing cursor, edit the value to the desired setting and press Select (5) to save.
6. Press the "Press for Service" button at any time to exit the menu.

Cover Features: If a Feature controller is installed this screen will report the firmware version of the feature controller, if the feature controller is currently active or inactive and the number of cycles currently counted by the feature controller.

Service Operations:

Calibrate Pool:

The Touch Pad can be calibrated for the specific pool it is installed on. This calibration will teach the Touch Pad what the electrical current consumption is (for retrofit models) and what the transit operation time will be in normal operation. The Touch Pad utilizes this information to determine over currents and cycle calculations.

1. Access the service menu using the service passcode (5991).
2. Press the Service button. The display will alternate between showing the "Service Contact Information" and "Press Select (5) for Menu".
3. Press Select (5).
4. Press the down arrow (8) until "Calibrate Pool" is visible. Press the Select (5) button to select this option.
5. Operate the cover until it is in its fully uncovered position.
6. Press Select (5) to confirm that the pool is completely uncovered.
7. Operate the cover until it is in its fully covered position.
8. Press Select (5) to confirm that the pool is completely covered.
9. Operate the cover until it is in its fully uncovered position.
10. Press Select (5) to confirm that the pool is completely uncovered.
11. The display will show the amp draw and time of operation for both covering and uncovering the pool. Press Select (5) to accept these measurements.
Press the service button at any time to cancel the process.

Current Limits: The Touch Pad Retrofit model supports electronic current limiting. The default current settings are 7.5 Amps. The system will actively monitor operation of the cover and stop the system if current exceed 150% of the above value. To adjust these settings do the following.

1. Access the service menu using the service passcode (5991).
2. Press the Service button. The display will alternate between showing the "service contact information" and "Press Select (5) for Menu".
3. Press Select (5).
4. Press the down arrow (8) until "Current Limits" is shown. Press the Select (5) button to select this option.
5. The display will show the average amp readings while opening the cover and the current limit setting for opening the cover.
6. To change the average amp reading, press the up arrow (2) or down arrow (8) buttons. Press Select (5) to advance the curser to the limit setting.
7. To adjust the limit setting, press the up arrow (2) or the down arrow (8) buttons. Press Select (5) to save the new settings.
8. Make the same adjustments for the settings for closing the cover.
9. Press Select (5) to save the new amp and torque settings and return to the service screen.

Press the service button at any time to cancel the process.

Edit PFS Screen: The Touch Pad comes with a convenient “Press for Service” button that allows the home owner to quickly get information on who can provide them fast service for their automatic pool cover. This screen is fully customizable, to edit this screen do the following:

1. Access the service menu using the service passcode (5991).
2. Press the Service button. The display will alternate between showing the “service contact information” and “Press Select (5) for Menu”.
3. Press Select (5).
4. Press the down arrow (8) until “Edit PFSScreen” is visible. Press the Select (5) button to select this option.
5. The first character of the contact information will be flashing. Press the Uncover button to scroll right. Press the Cover button to scroll left.
6. Numbers, letters and symbols can be selected in the same manner as selecting letters on a phone key pad.
7. After the desired character has been selected, press the Uncover button to move the cursor to the next letter. Continue this process until the contact information is updated.
8. To save the updated service contact, press the Uncover button until the curser has moved to the right through both lines of text. You will be given the option to save the changes.
9. Press Select (5) to save.
10. To restore the contact information to the default setting, press the Cover button until the curser has moved to the left through both lines of text. You will then be given the option to restore the factory default setting.
11. Press Select (5) to restore the default setting.



System Status:

The “System Status” screen gives present information about the Touch Pad. This will display the firmware version and cover cycles.

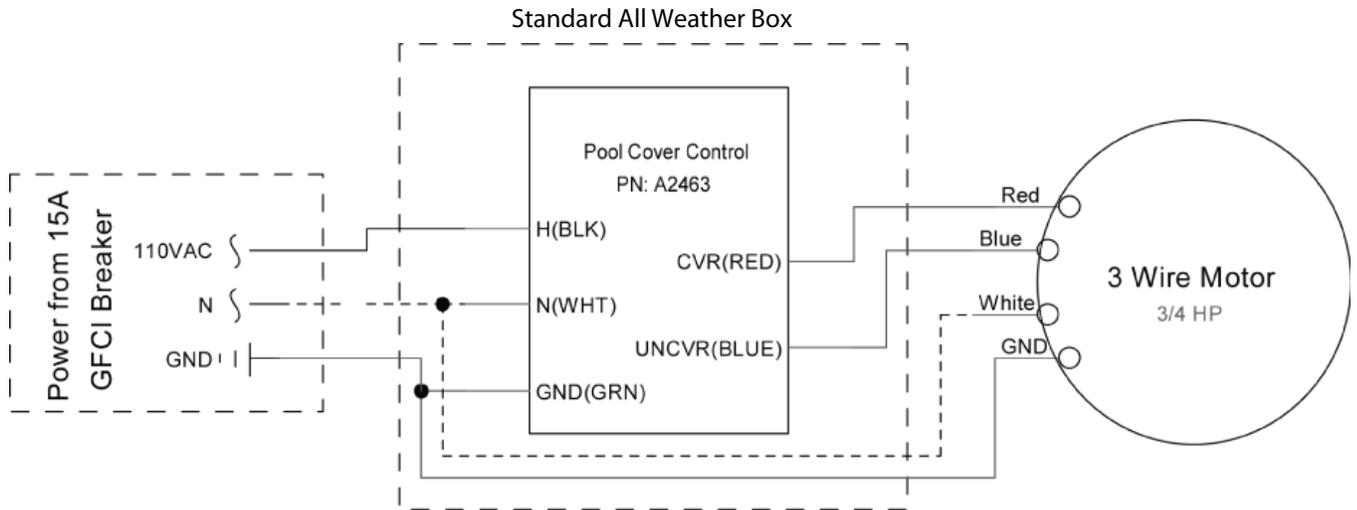
Factory Setup:

In the event that it is desired to restore all of the defaults that came from the factory perform the following:

1. Access the service menu using the service passcode (5991).
2. Press the Service button. The display will alternate between showing the “service contact information” and “Press Select (5) for Menu”.
3. Press Select (5).
4. Press the down arrow (8) until “Factory Setup” is visible. Press the Select (5) button to select option.
5. To completely reset the factory default settings, press the Select (5) button.
6. Confirm resetting factory defaults by pressing the Select (5) button again.
7. After the defaults have been reset, the Touch Pad will return to its locked position.

Resetting to factory setup will reset the total cycle count on the unit. All settings will be restored to factory defaults including radio modules (RF Remote) and Feature Controller if installed.

Wiring Instructions - 110 VAC 3 Wire Motor Using the Touch Pad Pool Cover Controller A2463-B/A2469-B



Installation Notes:

- * The control switch is mounted in a standard depth single gang all weather box.
- * Motor connections are made in an all-weather box mounted as high as possible in the cover box.
- * Use **water tight connections** at all wire junction locations.
- * The control switch **must be** mounted in a location where 100% of the pool surface is visible.
- * The Red and Blue wires from the motor connect to the directional wires on the controller. The red and blue wires may be switched with each other to change the motor direction.
- * The power circuit should be sized for 15 amps and must be sized accordingly.
- * Use a 15amp GFCI breaker at the panel.
- * Perform a pool calibration on Touch Pad after installation for accurate current limits and operational cycle counts.

Please see programming instructions for further details.

Troubleshooting Tips:

- * If the power does not come on the display check the power supply for 110V.
 - * If the power comes on the display but the motor does not run at all, check the neutral wire and it's connections.
 - * Disconnect wires from the controller and test for all connections for continuity.
 - * Using a test cord, disconnect wires in the all-weather box and connect the neutral wire to the white motor wire and connect the hot wire to the red motor wire. The motor should run. Then switch the hot wire over to the blue motor wire. The motor should run in the other direction.
- If the motor runs in both directions using this method, the trouble is in the components or wiring leading up to that point in the system.

Mounting and Configuration Instructions for Remote Touch Pad Applications Part# A2523-B

Connection Notes:

- * Review wiring instruction for proper installation of Remote Host Touch Pad or L9965 for proper installation of Feature Controller Host Devices.
- * Remote Touch Pad is intended for fixed mounting operation only! **For safety please mount the remote Touch Pad in a fixed location where 100% of the pool surface is visible.**
- * Pool calibration should be performed on the remote host Touch Pad in situations where the remote is being connected to a remote host Touch Pad.
- * If purchasing the remote with a remote host or feature controller the device should already be synchronized with the host device from the factory.
- * If the remote needs to be synchronized to a host do so by doing the following.

On the Host Device:

The host device will have to be activated to allow the remote to connect. To perform the activation do the following:

For Feature Controllers (A0585)

Press the RF Sync Button on the control board. You will have 4 minutes to connect a remote after initializing the feature controller host .

For Host Touch Pads A2525-B (the hardwired unit).

1. Log in to the Host Touch Pad using the service code "5991".
2. Select "Press for Service".
3. Select "5" for menu.
4. Use up and down arrows to select "User Defaults".
5. Use up and down arrows to select "Connect Remote".

You will have 4 minutes to connect a remote after initializing the Touch Pad host.

If "Connect Remote" option is not found ensure device is setup as a remote host under the "Remote Module" Option in the "User Defaults" Menu.

On the Remote Device:

1. Log in using the service code "5991".
2. Select "Press for Service" and Select "5" for menu.
3. Select "User Defaults".
4. Select "Remote Module".
5. Set to "Remote" and Select 5.
6. Follow On screen instructions.

* Use only (3) AA Alkaline Batteries. Do not mix battery types! Do not use old batteries with new batteries.

Please see programming instructions for further details.

Troubleshooting Tips:

- * If the power does not come on the display check that batteries are installed and plugged into the back of the remote Touch Pad.
- * If you receive a "No Host Found" message when the Touch Pad comes on, check to make sure that the host unit is turned on. Let the unit power back off and retry. If message still occurs reset the radio module and resync the device.

* Radio waves work best when in line of site of antennas. If you are having intermittent or no operation with your device, try to reposition the devices such that they are line of site to each other. Avoiding metal and concrete walls will also help with intermittent signals.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.