

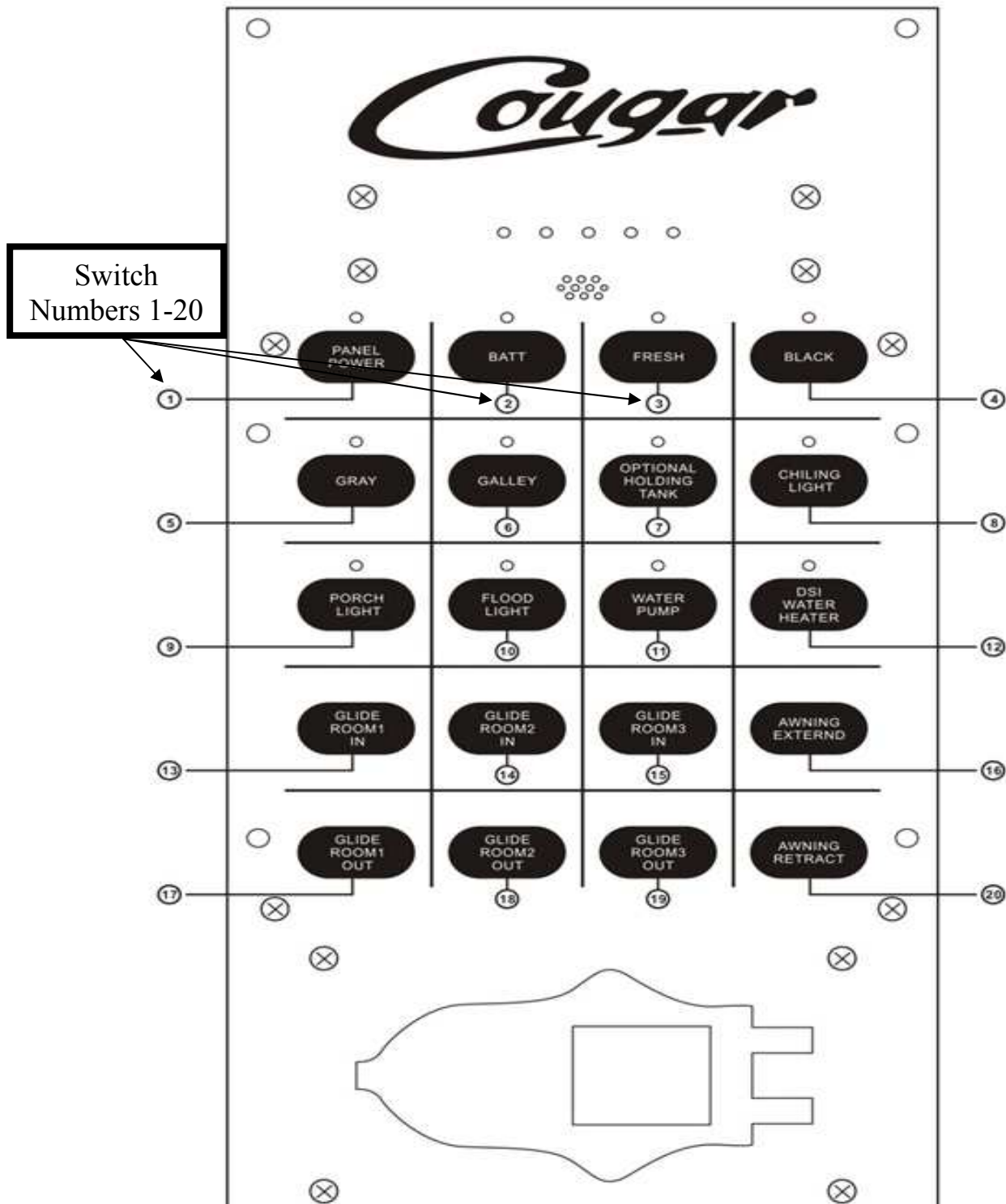
Cougar Touch Control Panel (v31)

User and Troubleshooting Guide

2/28/2013

This New Touch Panel allows DC circuits as high as 40 amps to be controlled using state of the art touch sensor technology. Simply touch an area on the front of the touch panel and an associated circuit will either be turned ON or OFF. No bulky switches simply touch the panel.

The touch panel has 20 touch sensor switches (one is optional button). Each switch is assigned to a different circuit or function.



Important Operational Notes:

General:

- Requires minimum of 8.5 Volts DC.
- Fuse located and labeled in 12 Volt distribution panel.
- To prevent accidental touch, all momentary switches must be depressed for 1 second before they activate.
 - Other switches will not respond to quick press less than 0.1 second.
- Operate one function at a time, pausing briefly for activation. Hitting multiple buttons without delay or simultaneous operation of multiple components could cause the panel to “Lock-up”.
 - To “Unlock”, disconnect Shore Cord and Battery for approximately 60 Seconds, reconnect.
- Default setting for Level indicator- When the shoreline cord is plugged in, the “Level Display” will show the Converter charge voltage. When the “Battery” button is depressed, it will then display battery charge level.
- If 12V is interrupted to the control panel, current settings will be lost and the control panel will revert to default settings.

Button 1-Panel Power Button:

- The Panel Power Button (1) red LED/Lettering will remain illuminated for user access in darkness (whether switch is “On” or “Off”).
- After Panel Power button is turned “On”, “blue” illumination of all switches will enter “Power Save Mode” after 3 minutes (Panel Power is still “On”).
 - Press any switch EXCEPT Panel Power button to reactivate “blue” illumination.
 - Any red LED’s which are illuminated (or “On”), will remain “On”/illuminated when panel goes into “Power Save Mode”
- Panel Power “Off” deactivates all other Switches in the panel (they will not light up/activate)
 - Note: All controlled relay circuits default to “Off” also so components won’t function manually either

Functions and circuits:

Switch Group A (1-7)-Level Displays

1. – Panel Power Button. Turns entire panel “On/Off” including the logo.
2. – Battery Level Meter select (the corresponding red LED on top of that button will illuminate and the battery level will display on panel meter only while the button continues to be touched)
3. – Fresh Water Level Meter Select (the corresponding red LED on top of that button will illuminate and the Fresh water tank level will display on the panel meter only while the button continues to be touched)
4. – Black Water Level Meter Select (the corresponding red LED on top of that button will illuminate and the Black water tank level will display on the panel meter only while the button continues to be touched)
5. – Gray Water Level Meter Select (the corresponding red LED on top of that button will illuminate and the Gray water tank level will display on the panel meter only while the button continues to be touched)
6. – Galley Tank Level Meter Select (the corresponding red LED on top of that button will illuminate and the Galley water tank level will display on the panel meter only while the button continues to be touched)
7. –Optional 6th Tank Level Meter Select (the corresponding red LED on top of that button will illuminate and the Optional 6th water tank level will display on the panel meter only while the button continues to be touched)

Switch Group B (8-12)-Regular

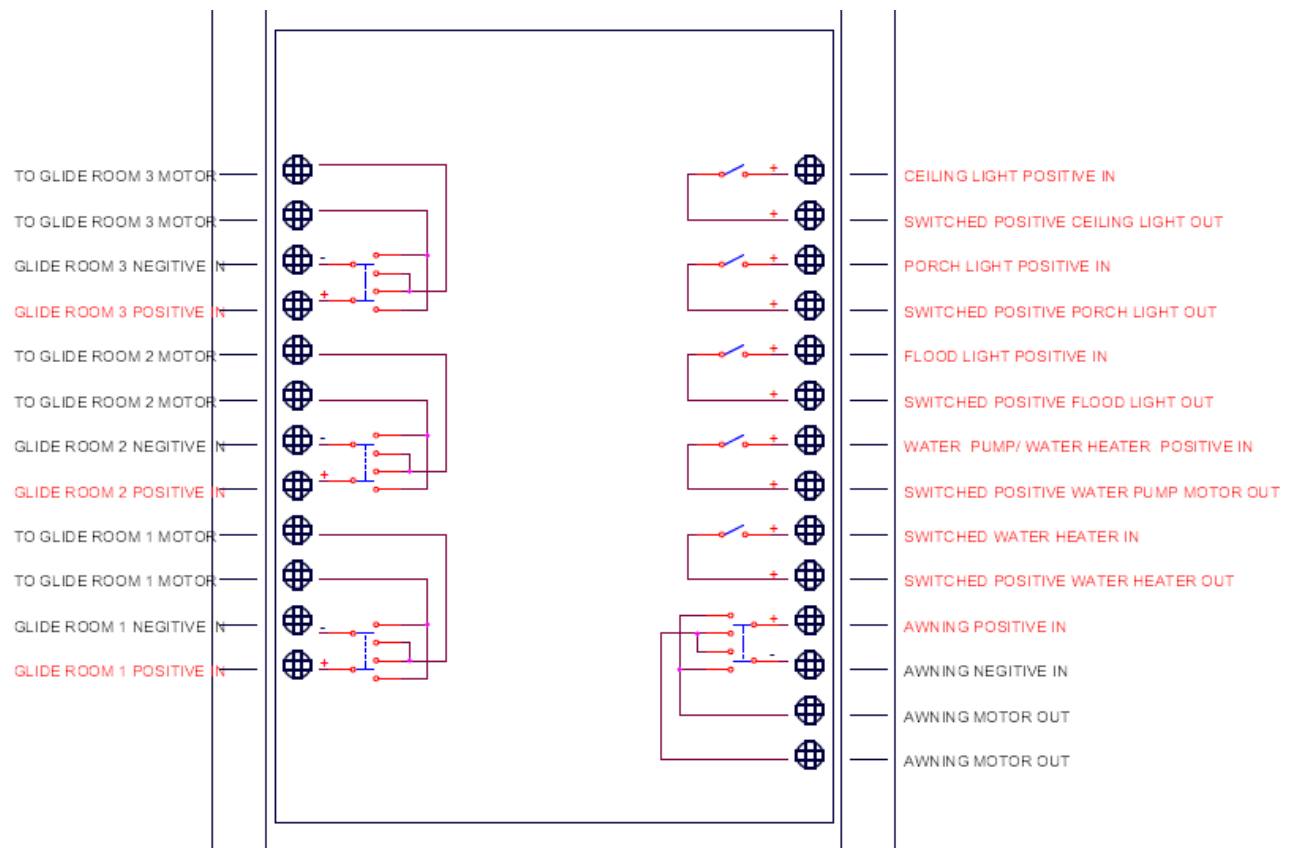
8. – Ceiling Light On/Off Select. (the corresponding red LED will illuminate and circuit will turn on then remain on until this same touch area is touched again)
9. – Flood Light On/Off Select. (the corresponding red led will illuminate and circuit will turn on then remain on until this same touch area is touched again)
10. – Porch Light On/Off Select. (the corresponding red LED will illuminate and circuit will turn on then remain on until this same touch area is touched again)
11. – Water Pump On/Off Select. (the corresponding red LED will illuminate and circuit will turn on then remain on until this same touch area is touched again)
12. – DSI Water Heater On/Off Select. (the corresponding red LED will illuminate and circuit will turn on then remain on until this same touch area is touched again)

Switch Group C (13-20)-Momentary Switches

13. – Glide Room 1 In. A 30 Amp circuit will turn on retracting Glide Room 1. The circuit will turn on and remain on only while this touch area continues to be touched. When touched, a beeping noise will remind the user.
14. – Glide Room 2 In. A 30 Amp circuit will turn on Retracting Glide Room 2. The circuit will turn on and remain on only while this touch area continues to be touched. When touched, a beeping noise will remind the user.
15. – Glide Room 3 In. A 30 Amp circuit will turn on Retracting Glide Room 3. The circuit will turn on and remain on only while this touch area continues to be touched. When touched, a beeping noise will remind the user.
16. – Awning Extend. A 15 amp circuit will turn on Extending Awning. The circuit will turn on and remain on only while this touch area continues to be touched. When touched, a beeping noise will remind the user.
17. – Glide Room 1 In. A 30 Amp circuit will turn on Extending Glide Room 1. The circuit will turn on and remain on only while this touch area continues to be touched. When touched, a beeping noise will remind the user.
18. – Glide Room 2 In. A 30 Amp circuit will turn on Extending Glide Room 2. The circuit will turn on and remain on only while this touch area continues to be touched. When touched, a beeping noise will remind the user.
19. – Glide Room 3 In. A 30 Amp circuit will turn on Extending Glide Room 3. The circuit will turn on and remain on only while this touch area continues to be touched. When touched, a beeping noise will remind the user.
20. – Awning Retract. A 15 amp circuit will turn on Retracting Awning. The circuit will turn on and remain on only while this touch area continues to be touched. When touched, a beeping noise will remind the user.

Bulk Connector Wiring

<i>Red:</i>	<i>Battery</i>
<i>Black:</i>	<i>Ground</i>
<i>Purple:</i>	<i>DSI Water Fault</i>
<i>Yellow:</i>	<i>Optional Tank</i>
<i>Orange:</i>	<i>Galley Tank</i>
<i>Grey:</i>	<i>Grey Tank</i>
<i>Brown:</i>	<i>Black Tank</i>
<i>Blue:</i>	<i>Fresh Tank</i>



Cougar Touch Panel Troubleshooting flow chart

