The **PowerQuest** Touch Screen Control System consists of two components, the Touch Screen (TS) and the Switch Panel Module (SPM). The PowerQuest system can control the switching of 8 circuits. 6 circuits are predefined and 2 are custom. Each circuit can be fused up to 30 amps. The system should be installed by a certified automotive technician. **Connect GROUND wire first!!!!**

- Mount module to electronics panel using supplied bolts.
- Connect cable from back of TS to Module.
- Mount touch screen using template.

**Power LED - Solid (OK)**

**Status LED - Blinking**
**Wiring System:**

Terminals 2 and 3: Connect to **Temperature** sensor (included).

**Ground** Terminal: Use #12 AWG Wire. (Recommend to Battery Negative Post or Good Chassis Ground Point) Connect this wire first!

**Battery +**: Use minimum 4 AWG cable. Connect to Positive Post on Battery.

For Circuits (Starter, Ignition, Fuel, etc.) use appropriate 14awg (30 amp), 16awg (20 amp), or 18awg (15 amp) wire depending on load.

Connect Cable from Touch Screen.
Configure:
System will be Configured with default settings. To change those settings press the “Config” button on the switch panel screen.

**Brightness** – Sets screen brightness
**Sleep** – Turns screen off, will not change settings. Press anywhere on screen to turn back on.

**Select Channel** - Press to see list of available channels, then select channel to modify

Not all features are available for all circuits.

**Channel** – Displays channel name. Aux1 and Aux 2 are modifiable.

**Max Current:** Select maximum fused amperage for circuit (0-30amps).

**Soft Start:** Check box to allow slow increase in current at turn on.

**Limit Enabled:** Check box to limit circuit turn on by temperature settings (Fan or Water Only)

**Temperature:** Select temperature to enable.

**Hysteresis:** Differential temperature change required to activate.
(Ex: With a 2º hysteresis and a 100º temperature setting the controller will allow the actual temperature to go to 98º before turning off Fan and Pump and back to 100º to turn on again)

**Auto Switch:** Check box to enable. Allows circuit to automatically Enable after a set delay time, once Start button is pressed. Also allows circuit to Disable when Ignition button is turned off.

**Auto Switch Delay:** Time in seconds circuit is delayed from turning on after Start button is pressed.

**Save:** Saves changes and returns to previous Menu.
Lock Screen:

Master Code: On the back of Module (not the touch screen) there is a tag with the systems Master 4 digit program code and a Temporary User Code. You can use the Master code to program your User code. The Master code can always be used to reset User code.

Reset User Code: Use following sequence to program User Code. User code cannot be Master Code or 1234.
1) Key in Master Code and press ENTER
2) Use Back arrow to delete Master Code from window.
3) Key in number USER CODE XXXX and press ENTER
4) Press Enter Again
Now User Code is set.

Unlock Screen: Key in User code and press ENTER

SLEEP: Press Sleep to force sleep mode.
If fuse is tripped Switch Panel circuit button will turn off and “FUSE” message will be shown on button label. Pressing button again will reset fuse.

PowerQuest Demonstration video (www.altronicsinc.com/switch-panels/powerquest-1.html) for more details.

TECHNICAL SUPPORT:
Email: Tech@AltronicsInc.com

When sending a unit in for repair or update: Fill out a “Service Form” which is available from the Technical Support Section of our website—www.AltronicsInc.com

WARRANTY:
PowerQuest by Altronics is warranted for 1 Year against any defect in materials and workmanship from date of purchase. ALL WARRANTIES AND GUARANTEES ARE VOID if the PowerQuest enclosures are opened or altered or is equipment is connected to system that is not supplied or authorized by Altronics Inc.

Altronics shall not be liable for injury, consequential, or other types of damages resulting from the use or misuse of the

PowerQuest is to be used for off road purposes only!
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