



Wiring on Auxiliary Controls for Thrusters

There are a number of companies that now offer Auxiliary Controls for Thrusters and for Thrusters/Engines.

For safety, we recommend wiring the thruster control portion of auxiliary controls through a Side-Power control panel to retain the systems Auto-Off functionality.

To integrate auxiliary thruster controls with a DC thruster installation utilizing a Side-Power AutoMainswitch, you **MUST** follow the wiring diagram below.

For DC thrusters with standard battery switches, or for hydraulic systems, we recommend using our special #SM61296 Y-Cable for increased safety and to retain the Auto-Off feature.

If you decide not to wire the system through a Side-Power control panel, an appropriate On-Off switch must be part of the installation.

If the auxiliary control has its own On-Off switch for the thruster functions...

- Branch into the control harness wiring (we recommend using the standard Y-Cable #SM61274 to provide simple connection branch rather than tampering with the harness).

- Take the Red for positive (common) feed and run across the auxiliary On-Off switch.

- Connect the Blue for Starboard run signal and Grey for Port run signal.

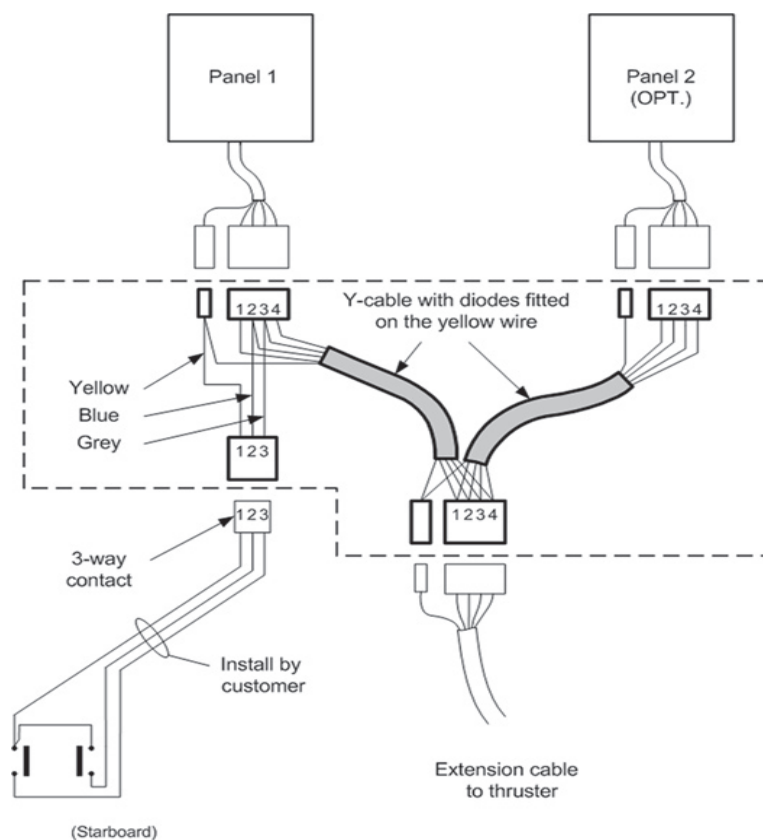
Important: On Hydraulic Systems, this **MUST** be done on the control panel side of the electronic control box as this switches the positive signal to negative switching for the valving and provides the delay function for sudden drive direction change.

If the auxiliary control does NOT have its own On-Off switch for thruster functions...

- You must add a separate On-Off switch near the location of the auxiliary control.

- This can be a rocker switch, etc. (not momentary) and you wire as described above.

#SM61296 - Special Y-Cable for Auxiliary Controls



This Y-Cable includes everything in the dashed box in the illustration above as well as the corresponding 3-way connector to be installed onto the wire lead from the auxiliary switches. In this way, the control system retains the Plug-n-Play design.

Please Note: The installation of auxiliary switching is the sole responsibility of the installer of this switching. Side-Power does not take responsibility or guarantee in any way the compatibility, functionality, or safety of any switching device or product other than original Side-Power products.