



**neptronic®**  
www.neptronic.com

■ HVAC Controls    ■ Electric Actuators    ■ Actuated Valves  
■ Humidifiers    ■ Electric Heaters

Head Office  
Neptronic®  
400 Lebeau Blvd.  
Montreal, Quebec, Canada H4N 1R6  
Tel.: (514) 333-1433  
Fax: (514) 333-3163  
Toll Free: 1-800-361-2308

## Go with the Flow

### Electric Heater Airflow Direction Requirements

Neptronic electric heaters have many advantages over competitive designs and airflow direction is one of them. Our duct heaters are shipped without directional airflow indication. Any one of our heaters can be installed on either side of the duct which can be very helpful to the installer when space is limited. No specific airflow direction is required. Airflow may be **left to right** or **right to left** for horizontal heaters and **top to bottom** or **bottom to top** for vertical heaters.

Modulating SCR controlled heaters feature our intelligent heater control system (HEC) which has 2 temperature sensors installed on either side of the heating element. These two sensors function independent of airflow direction and act as an airflow switch shutting off the heater when there is low or no airflow. See TechTime article from May 2015 for more details. [http://neptronic.com/TechTime/20150513/Where\\_is\\_the\\_Airflow\\_Switch.aspx](http://neptronic.com/TechTime/20150513/Where_is_the_Airflow_Switch.aspx)

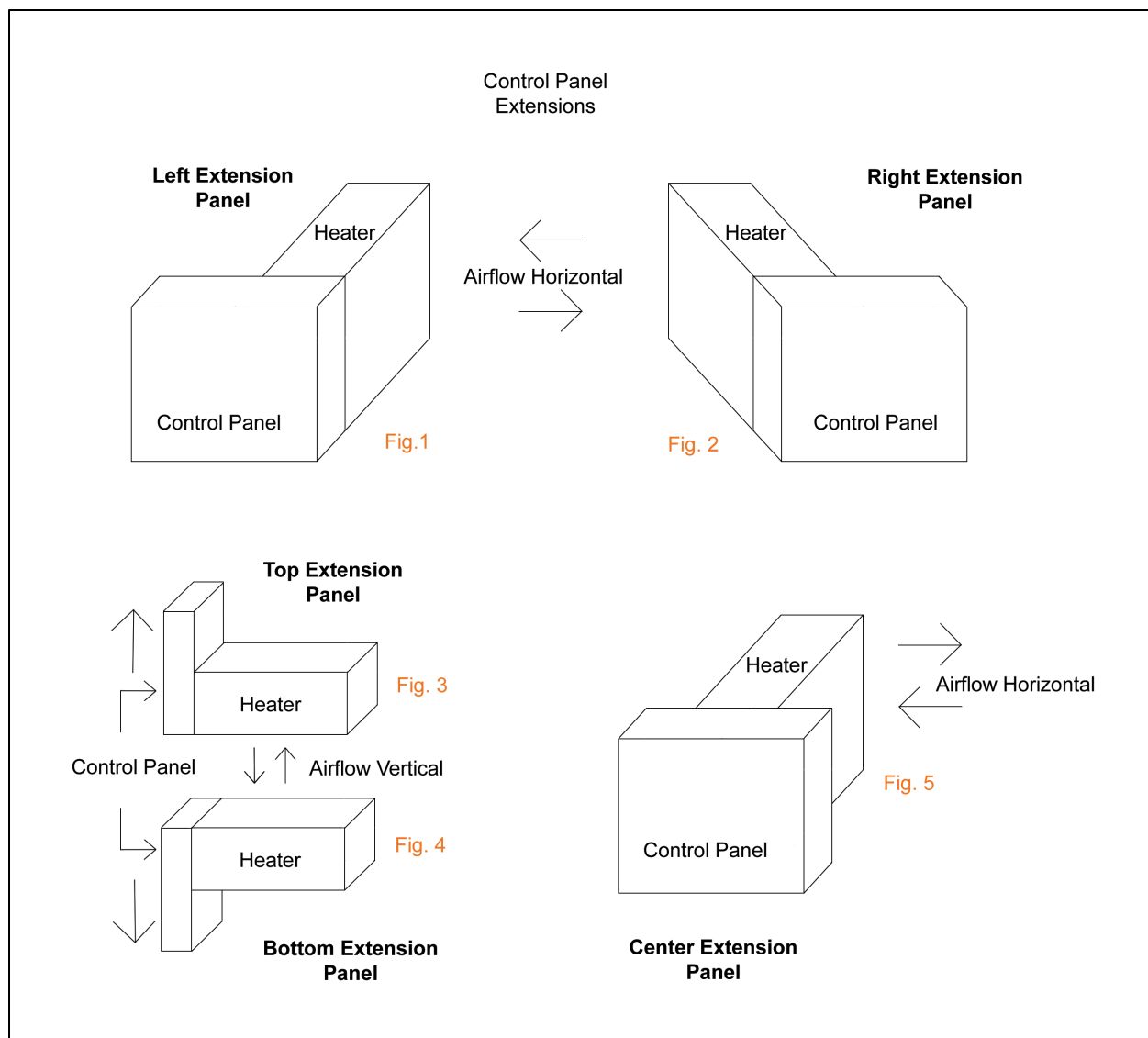
On/off or staged heaters are equipped with a mechanical airflow switch installed in the control panel, and a pitot tube, which is shipped separately (and must be installed). It can be mounted on either side, upstream or downstream of the heater. This pitot tube does have an airflow indication arrow and must be installed with the arrow pointing in the direction of flow.

Our standard control panel extends to the left of the slip in heating section. We also have options to have the control panel extended to the right or centered. Below are drawings showing the available orientations. Note that these options must be selected prior to placing an order.

**USA**  
NEP Inc.  
P.O. Box 1151  
Medford Oregon,  
USA 97501  
Tel.: (541) 531-5746

**Middle East & Asia**  
NEP International FZE  
P.O. Box 125687,  
Dubai, UAE  
Tel.: +97155 8825487  
Fax: +9714 3426772

**Singapore**  
Neptronic Pte Ltd  
Office D6, #03-38,  
Mountbatten Square  
229, Mountbatten Road,  
Singapore – 398 007  
Mobile: +65 8118 4184  
Tel: +65 6650 6212  
Fax: +65 6491 6423



[www.neptronic.com](http://www.neptronic.com)