



**neptronic**<sup>®</sup>  
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- HVAC Controls
- Electric Actuators
- Actuated Valves
- Humidifiers
- Electric Heaters

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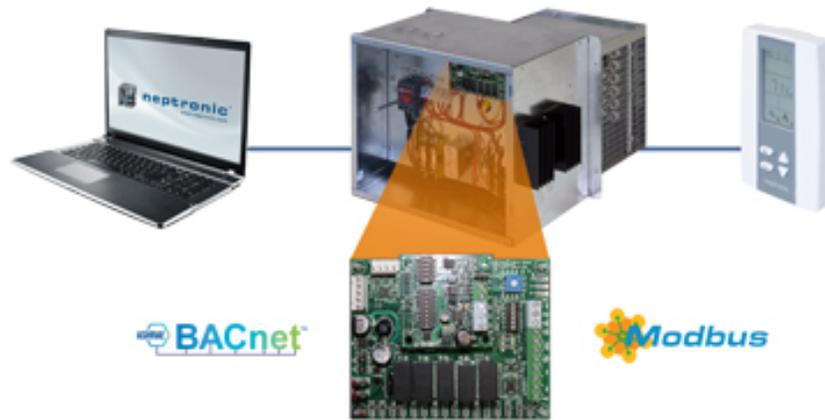
## The Smart Choice to a Better Future

### Networkable Electric Duct Heater Overview

Today's world runs on technology; from smart computers and phones to smart televisions etc. So why not a smart heater for the HVAC industry?

Electric duct heaters can be controlled by BMS but until recently could not be monitored as part of the communication protocol. A device that consumes a substantial amount of power is unmonitored and not part of the energy budget of the building.

Now you have the choice to go with Neptronic's onboard solution. The electric heater with intelligent controller is the first electric heater in the industry to provide BMS integration via BACnet MS/TP or Modbus. This gives access to over 90 virtual points that provide several added value opportunities such as; **energy management, monitoring for close control, monitoring alarms and diagnostic tools.**



**Energy management:** you can remotely view actual power consumption (kW), average daily/weekly/monthly power consumption and create statistical reports.

**Monitoring for close control:** Remotely adjust or view delays between stages, status of each stage, system output limit, system output hysteresis and more...

**Alarm monitoring:** Instant notification of interlock cutout, airflow cutout, high SSR temperature, high PCB temperature and more...

**Diagnostic tools:** Remotely troubleshoot with access to room or external temperature, supply and discharge air temperature (Delta T), heating demand, air velocity, enable or disable heater and even heater specifications such as tags, heater type, voltage and dimensions.

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The major benefits of our electric heater with intelligent controller (HECB);

**Save energy**

- Embedded and configurable energy conservation strategies
- Automatic or dynamic load shedding
- Limit electric heater consumption based on multiple variables

**Save time**

- View heater status and alarms remotely via network or thermostat
- Use diagnostic tools and trend data for remote troubleshooting
- Perform close control remotely via network

Keeping up with today's world is a challenge.

**Think Smart!**

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