Innovative Ventilation and
Electronic Control Solutions

Introducing the Plus Touch Series — the PEC Plus redesigned

The Plus Touch brings a wealth of new features that make it more powerful and more versatile than its predecessor.

More than just temperature

Monitor humidity, ammonia, and CO_2 and then use those conditions to influence ventilation. For example, if the humidity is too high, Plus Touch can switch heaters on or increase ventilation to reduce it.

VentGrid™ merged ventilation

In addition to traditional staged control, Plus Touch offers VentGrid merged ventilation. VentGrid can provide smoother transitions between steps than staged mode, reducing energy and saving you money.

Completely programmable in as little as 5 minutes

We know that a bold statement, but Plus Touch provides a completely new user experience. The 5-inch display's intuitive, easy-to-use screens allow you to quickly move through the menus and program the control. You can even save the settings to a USB stick and use it to set up new controls in seconds!

Features

- Automatic temperature-based control, Range: -13 to 125°F (-25 to 51°C)
- 2 control zones
- VentGrid™ merged ventilation mode
- Traditional staged ventilation mode
- Growth and minimum ventilation curves
- Secondary control modifiers/influencers
- 4 settings groups
- Easily updatable by USB
- Onboard diagnostics and self-tests
- CSA approved and CE certified
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- Limited warranty (2 years)

- Many equipment control options:
  - Variable and fixed-stage ventilation, such as fans, actuators, and curtains
  - Variable and fixed-stage heating, such as electric heaters, gas furnaces, and heat lamps
  - Cooling equipment, such as misting and fogging systems
  - Duty cycles
- 2 variable AC stages
- 6 general-purpose relays
- Relay staggering for distributing startup loads
- Alarm relay
- 4 DC signal outputs (0 to 10 V)
- 9 sensor inputs:
  - 5 Phason 3K Series temperature
  - 1 DOL-114 temperature and humidity
  - 3 inputs for compatible DOL sensors

Backwards compatible

The Plus Touch controller is backwards compatible with all earlier PEC Plus control boards (bottom boards). To upgrade to a Plus Touch and add all the new features, purchase a display upgrade kit (**model: KPEC-PLUS-TOUCH**), connect it to your existing PEC Plus control board, and then program your new control.

Accessories

Manual Override Box

The Manual Override Box (**model MOB-4**) increases the load handling capability of control relays and provides an external disconnect. The MOB-4 includes four 240 V power contactor relays and AUTO-OFF-MANUAL switches.

Phason 3K Series temperature sensors

Additional temperature sensors allow you to use 4-zone temperature averaging. Sensors are available in 1, 6, 30, 75, and 150-foot lengths, and can be extended up to 500 feet using extension cable.

Variable DC Module

The Variable DC Module (**model VDC-4**) adds four 0 to 10 V signal outputs to control FanDRIVEs, variable frequency drives, and other third-party equipment that accepts a 0 to 10 V signal.

FanDRIVEs

If you have the Variable DC Module, you can add FanDRIVEs. FanDRIVEs take the 0 to 10 V signal from the module and adjust fan speed. A 1×14 FLA model (**FD-1-14**) and a 2×7 FLA model (**FD-2-7**) are available

Dol sensors

- DOL 19   Carbon Dioxide (CO_2) Sensor
- DOL 53   Ammonia (NH_3) Sensor
- DOL 114   Temperature and Humidity Sensor

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Electrical ratings

Incoming power	120/230 VAC, 50/60 Hz
Variable AC	10 A at 120/230 VAC, general-purpose (resistive) 7 FLA at 120/230 VAC, PSC motor 1/2 HP at 120 VAC, 1 HP at 230 VAC, PSC motor
Variable stage fuses	15 A, 250 VAC ABC-type ceramic
Relays	10 A at 120/230 VAC, general-purpose (resistive) 1/3 HP at 120 VAC, 1/2 HP at 230 VAC 360 W tungsten at 120 VAC
Alarm relay	0.4 A at 125 VAC, 2.0 A at 30 VDC, resistive load 0.2 A at 125 VAC, 1.0 A at 30 VDC, inductive load
Variable DC (optional)	0 to 10 VDC, 2K Ω load