

### Plus Touch

Model: PLUS-TOUCH

### 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<sub>2</sub> 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.

### 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 $\Omega$ load

#### 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 (CO2) Sensor
- **DOL 53** Ammonia (NH3) Sensor
- **DOL 114** Temperature and Humidity Sensor

