Plus Touch   Model: PLUS-TOUCH
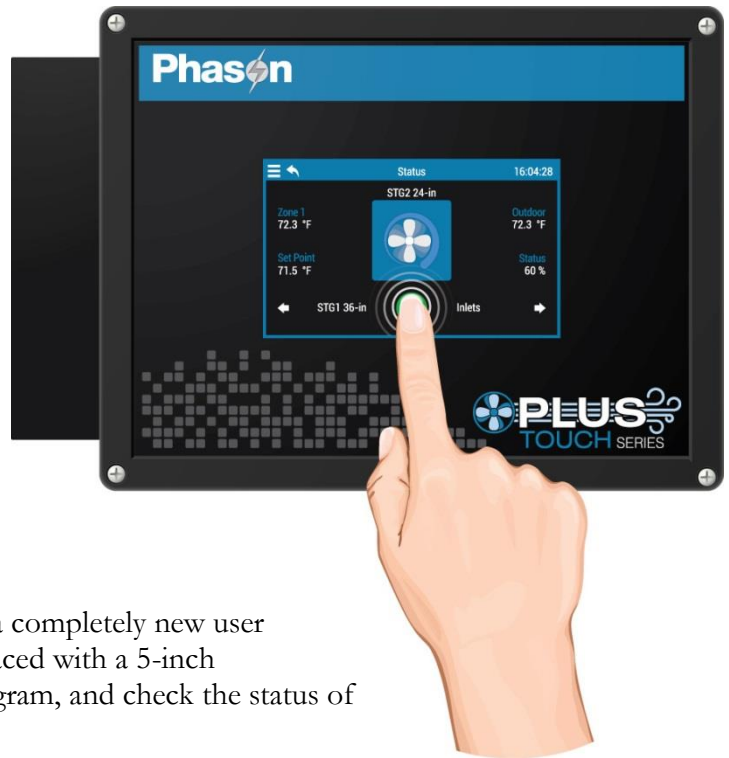
Introducing the Plus Touch Series — the PEC Plus redesigned

Plus Touch brings a wealth of new features that make it more powerful and more versatile. Plus Touch controls variable and fixed-stage ventilation and heating equipment, cooling systems, and much more.

Plus Touch is more than a temperature-based control; it can monitor humidity, ammonia, carbon dioxide, and more. Plus Touch can use other environmental conditions to influence conditions. For example, if the humidity is too high in the room, the control can switch heaters on or increase ventilation to reduce it.

New look, new experience

Plus Touch is more than a bold new look and name, it is a completely new user experience. The buttons and LED display have been replaced with a 5-inch touchscreen that allows you to more easily configure, program, and check the status of your room and equipment.

Features

- Automatic temperature-based control, Range: -13 to 125°F (-25 to 51°C)
- VentGrid™ merged ventilation mode
- Traditional staged ventilation mode
- Two variable AC stages
- Six pluggable general-purpose relays
- Four 0 to 10 V signal output (optional)
- Relay staggering for distributing startup loads
- One alarm relay (for external siren or alarm system)
- Sensor inputs:
  - 5× Phason 3K Temperature
  - 1× DOL-114 Temperature and Humidity
  - 3× inputs for compatible DOL sensors
- Intuitive user experience
- Touchscreen display (5 inches)

- Many 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
- Growth and minimum ventilation curves
- Secondary control influencers
- Four settings groups
- Easily updatable by USB
- Onboard diagnostics and self-tests
- CSA approval
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- Limited warranty (2 years)

Backwards compatible

Plus Touch is backwards compatible with all earlier PEC Plus control (bottom) boards. To upgrade to a Plus Touch and add all the new features, you purchase a display kit, 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 temperature probes

Additional temperature probes allow you to use 4-zone temperature averaging. Probes 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 (CO2) Sensor
- **DOL 53** Ammonia (NH3) 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