

The ultimate room control

The PEC Plus is designed to control ventilation equipment for a single room. The control automatically monitors and controls the temperature by operating ventilation equipment such as fans, heaters, inlet actuators, curtain machines, or other equipment according to your programmed settings.

The PEC Plus is ideal for poultry, livestock, greenhouse, or light-industrial buildings and is compatible with most ventilation strategies: natural, forced, tunnel, and chimney ventilation.



Features

- ◆ Two variable cooling stages
- ◆ Six relay stages (heat, cool, duty cycle, curtain, or actuator control)
- ◆ One alarm relay (for external alarm siren or alarm system)
- ◆ Temperature monitoring and control, with up to four-probe averaging
- ◆ Adjustable temperature settings
- ◆ Configurable seven-step growth curve
- ◆ Customizable alarm settings
- ◆ Three-second full-power-turn-on for minimizing fan ice-up
- ◆ Daily high and low temperature display
- ◆ Power-failure memory protection
- ◆ PIN security
- ◆ Four-character LED display and individual stage LEDs
- ◆ On-board diagnostics and self tests
- ◆ Thirty-foot temperature probe, extendable to 500 feet (additional probes available)
- ◆ Rugged enclosure (corrosion resistant, water resistant, and fire retardant)
- ◆ CSA approval
- ◆ Two-year limited warranty

Electrical ratings

- ◆ Input: 120/230 VAC, 50/60 Hz
- ◆ Variable stage: 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 fuse: 15 A, 250 VAC ABC-type ceramic
- ◆ Relay: 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 A at 30 VDC, resistive load
0.2 A at 125 VAC; 1 A at 30 VDC, inductive load

Easy to use and program

The PEC Plus's display shows the ambient temperature and any alarm messages. During normal operation, the status LEDs show when the stages are on.

When in programming mode, the LEDs indicate which stage you are programming. The easy-to-use keypad and menu system make the PEC Plus one of the easiest controls to program. The PEC Plus' advanced and powerful features are never more than a few keystrokes away.

Seven-step growth curve

The seven-step growth curve is a powerful feature that allows you to program the control to automatically adjust the temperature set points over time to control the temperature in a room or zone. This is an ideal feature to use as your animals grow and their temperature requirements change.

Security and peace of mind

The PEC Plus has a PIN (personal identification number) security system. When you enable security, users must enter the PIN before they can access a specific menu or function. This allows you to control who makes changes to your system and its settings.

The PEC Plus is compatible with most alarm systems. You can connect your PEC Plus to an alarm siren or other external alarm system. The customizable list of alarm settings allows you to choose which alarm conditions you want to be notified about.

Available options

- ◆ **PEC+ Saver** – The PEC+ Saver is an innovative and easy-to-use product that stores a complete copy of a PEC Plus' configuration and settings. You can restore the configuration and settings any time, or even use them to set up new PEC Plus' in seconds!
- ◆ **PEC+ Updater** – The optional PEC+ Updater is an innovative and easy-to-use product that allows you to upgrade your PEC Plus's firmware. Phason constantly improves and adds new features to their products. With the PEC+ Updater, you can upgrade the firmware in your PEC Plus as these features become available. The PEC+ Updater takes only seconds to use and can upgrade all the PEC Plus controls at your site.
- ◆ **Temperature probes and extension cable** – Temperature probes monitor temperatures ranging from -49 to 122°F (-45 to 50°C). Automatic four-zone temperature averaging and outdoor temperature monitoring are available with additional temperature probes. Probes are available in 1, 6, 30, 75, or 150-foot cable lengths and can be extended up to 500 feet using extension cable. Extension cable is available in 500-foot lengths.

Additional information

For more information about the PEC Plus or other Phason products, contact your dealer or visit www.phason.ca.