

## Supra Touch Series

Model: SUPRA-TOUCH



### VentGrid™

VentGrid merged ventilation provides smooth, optimized control and smoother transitions between steps than traditional staged mode can.

### Secondary modifiers

Supra Touch is more than a temperature-based control. You can monitor other conditions such as humidity, ammonia, and carbon dioxide, and then use them to influence how Supra Touch controls equipment.

### Growth and minimum ventilation curves

Curves allow you to automatically change the temperature set point and minimum ventilation rate over time to adjust to requirements as your animals grow.

### Easy-to-use

Supra Touch is a completely new user experience. A 5-inch touchscreen allows you to more easily configure and monitor your room and equipment.



### Capabilities

Programming options	Notes
Temperature-based control	✓ -13 to 125°F (-25 to 51°C)
Control zones	4
Staged ventilation mode	✓
VentGrid™ mode	✓ Up to 10 steps
Manual override mode	✓
Growth curves	4
Minimum ventilation curves	4
Secondary modifiers	✓
Relay stagger	✓ Balances loads at startup
Hysteresis	✓

### Stages and relays

Variable AC stages	4
0-10 V DC signal outputs	4 With optional VDC-4 module
General-purpose relays	12 Replaceable
Alarm relay	✓

### Variable and relay configuration

Variable cooling/heating	✓
Relay cooling/heating	✓
Duty cycle	✓
Actuator / inlet	✓ Max 2
Curtain machine / winch	✓ Max 6
VFD control (follow relays)	✓

### Sensor inputs

Phason 3K Series	5	Temperature
Outdoor temperature	✓	
DOL 114	✓	Temperature/humidity
DOL 16	✓	Light
DOL 19	✓	Carbon dioxide
DOL 53	✓	Ammonia
Pulse counter	✓	Water flow or wind speed

### Other

5-inch touchscreen	✓
Scrolling status screen	✓
Updatable firmware	✓ Via USB
Transferable settings	✓ Via USB
Hourly and daily logs	✓
Diagnostics	✓
NEMA 4X enclosure	✓
CSA approval	✓
2-year warranty	✓

## Electrical ratings

<b>Incoming power</b>	120/230 VAC, 50/60 Hz
<b>Control fuse</b>	1 A, 250 VAC non-time-delay glass
<b>Variable stages</b>	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
<b>Variable stage fuses</b>	15 A, 250 VAC ABC-type ceramic
<b>General-purpose relays</b>	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
<b>Alarm relay</b>	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
<b>Variable DC (optional)</b>	0 to 10 VDC, 2K $\Omega$ load



## Accessories

### FanDRIVES

FanDRIVES expand the capacity of your control system by taking the 0 to 10 VDC signal from the control and adjusting fan speed. No additional programming is required; FanDRIVES follow the programming of the master control.

- Model **FD-2-7** has two 7 FLA outputs
- Model **FD-1-14** has one 14 FLA output

### Wind Speed Sensor

The Wind Speed Sensor is a rugged and durable anemometer that provides high accuracy over wind speeds from 3 to 80 mph. The sensor comes with a 25-foot cable and a mounting bracket. Power is not required.

Model: **WINDSPEED-03**

### Phason 3K Series temperature sensors

3K Series temperature sensors are available in 1, 6, 30, 75, and 150-foot lengths. They can be extended up to 500 feet.

## Additional information

For more information about the Supra Touch or other Phason products, contact your dealer or visit [www.phason.ca](http://www.phason.ca).

### Dol sensors

Dol sensors add additional capabilities to the Supra Touch

- **DOL 114** Temperature and humidity
- **DOL 53** Ammonia (NH<sub>3</sub>)
- **DOL 19** Carbon Dioxide CO<sub>2</sub>
- **DOL 16** Light

### MOB-4 Manual Override Box

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

### VDC-4 Variable DC Module

The Variable DC Module 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.