

### Supra Touch Series

Model: SUPRA-TOUCH



#### VentGrid™

VentGrid can provide optimized control and smoother transitions between steps than staged mode can, reducing energy and saving you money.

#### Secondary modifiers

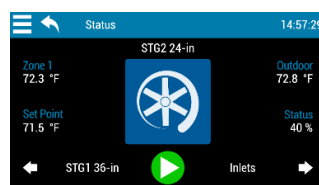
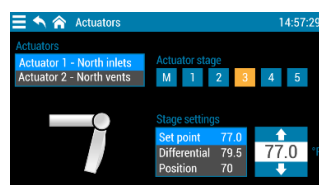
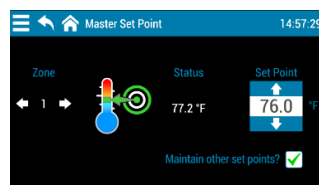
Supra Touch is more than a temperature-based control. Monitor humidity, ammonia, and CO2 and then use those conditions to influence ventilation. For example, if the humidity is too high, Supra Touch can switch heaters on or increase ventilation to reduce it.

#### Completely programmable in as little as 15 minutes

We know that's a bold statement, but Supra 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.

Save the settings to a USB stick and use it to set up new controls in seconds!



### Capabilities

Programming options	Notes
Temperature-based control	✓ -13 to 125°F (-25 to 51°C)
THI control	✓
Control zones	4
Staged ventilation mode	✓
VentGrid™ mode	✓ Up to 10 steps
Manual override mode	✓
Growth curves	4
Minimum ventilation curves	4
Secondary modifiers	✓ Humidity, CO2, NH3, outdoor temp.
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
Air curtains	✓ Max 6
Timed events	✓
VFD control (follow relays)	✓

#### Sensor inputs

Phason 3K Series	5	Temperature
Phason RHS	✓	Humidity
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.

#### Dol sensors

Dol sensors add additional capabilities to the Supra Touch

- **DOL 114** Temperature and humidity
- **DOL 53** Ammonia (NH<sub>3</sub>)
- **DOL 119** 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.