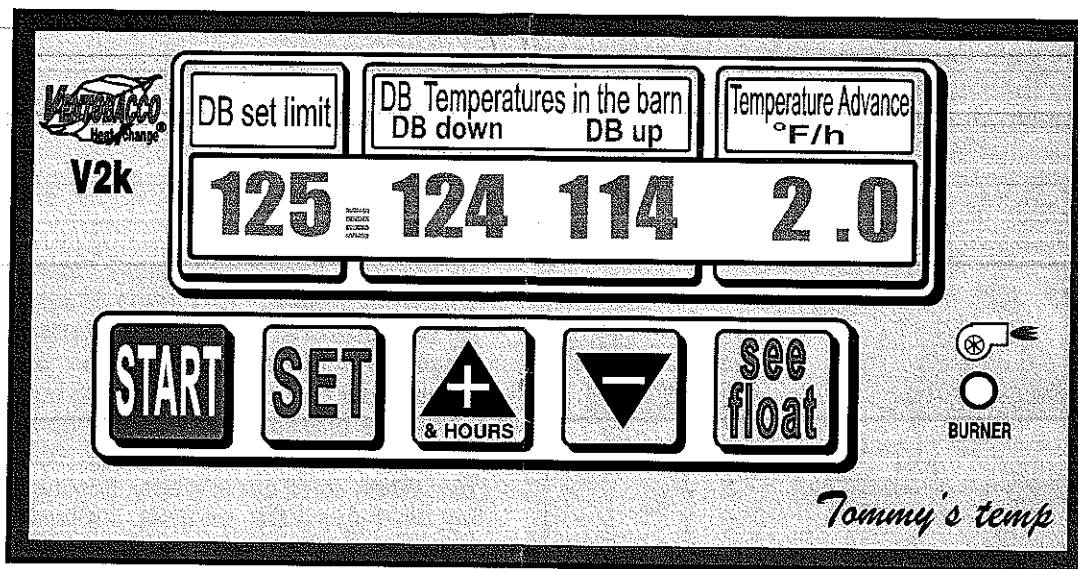


VENTOBACCO CURING CONTROL V2K



- **Ventobacco V2K** is a CURING CONTROL of the latest technology designed to precisely control **Burner's operation** during the Curing cycle. It can operate on any barn and retrofit Heat Exchanger supplied with 120 (or 220) Volts A.C.
It is built in a plastic casing ~6" x 3" x 4" deep.
It can be mounted on an appropriate water tight electrical box , or with a bracket on the front or on top of barn's electrical panel or directly on a barn's sidewall protected from rain, water drops , condensation and vibrations.
Ventobacco V2K displays continuously :
 - The **Dry Bulb temp. set limit** that the Operator sets.
 - The **Actual Dry Bulb temp. readings** at the **lower** and **upper** barn's part, (before and after the tobacco) where the two sensors are positioned.
 - The **Temperature Advance (TA)** in ° F per hour that the Operator sets.
 - By pressing (**see float**) Operator can also see where is the "floating" temperature at that moment.
"Floating" temp. is the D.B. temperature that V2K has automatically set at that moment, as D.B. temp. advances from the previous D.B. set limit to reach the new D.B. set limit.

How V2K operates

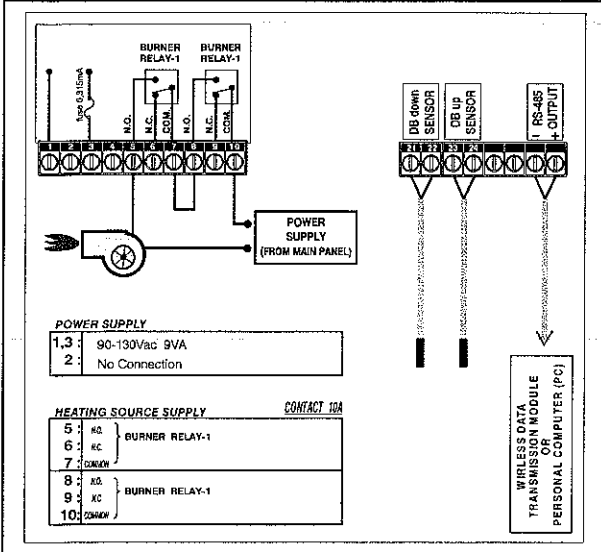
TO START a new Curing Cycle

- Press and keep pressed (**START**) button for about 10 sec till you see "**New float.....**" on the display. (You will first see Display showing "**START NEW PRG. 10**", then **9**", **8**" etc. till "**New float**") appears.
Now your V2K control has got the order to START (i.e. "floating" temperature has been adjusted to the actual barn's D.B. temperature where from it will start increasing at the set Temperature Advance rate to reach the D.B. set Limit).
- Press (**SET**) button once.
D.B. set limit will start blinking.
Now you can set your D.B. temp. where you want it to go (i.e. 125° F) by pressing (+) to increase or (-) to decrease the value.
Pressing (+) or (-) button ,D.B. Set limit temp. moves slowly up or down.
Note: If you want to decrease more rapidly the D.B.set limit temp., press simultaneously (-) button & (**START**)
- Press (**SET**) button again.
Temp. Advance will start blinking.
Now you can set the Temperature Advance (i.e. 1 ° F/hr)
After 5 sec without pressing any button D.B. set limit and or T.A. displays will stop blinking.
The displays now will show operator's settings on D.B. set limit & T.A. and the actual temperatures in the barn.

i.e.

- **Dry Bulb set limit** (125 °F) set by operator
- **Dry Bulb lower temp.** (124 °F) actual in the barn
- **Dry Bulb upper temp.** (114 F) actual in the barn
- **Temperature Advance** (2 ° F/hr) set by operator.

More details on V2K Curing Control



- By pressing **(see float)** button, Operator can see where the "Floating" D.B. temp. is set **automatically by the control at the precise moment.**

If he wants to increase or decrease the "floating" temperature, he can do so by pressing button **(+)** or **(-)** while keeping pressed **(see float)** button.

- Next to the **DB set limit** temp. you can see a scroll bar. When scroll bar is empty, floating temp. has not yet reached the **DB set limit**. As floating temp. gets closer to DB set limit the scroll bar gets more & more full.

When float temp. reaches the D.B. set limit the scroll bar is full.

- By pressing **(+)** button you can see the curing duration in hours. (Clock starts counting from the minute you pressed **(start)** button).

TECHNICAL DATA	
Dimensions	front 170 X 80 mm (6,700X3,150"), depth 105mm (4,130")
Mounting	flush panel mount with mounting bracket
Connections	screw terminal block 2,5mm ²
Display	1X16 chr dot matrix LCD display
Data storage	non-volatile EEPROM memory (100 years data retention)
Output	2 SPDT relays 10/20 Amp (Rated/Max peak current) AC 250/400V (Rated/Maximum switching voltage)
Serial output	RS485 auxiliary output for data transmission
Inputs	PTC Sensors
Resolution	1°C (°F)
Accuracy	better than 0.5% of full scale
Power supply	120Vac (+15-20%) 50/60Hz - 6VA
SETTINGS	
Lower/Higher DB set limit	50°F ... 167°F
Lower/Higher Set Temperature Advance (TA)	0 ... 25°F
Differential	0,75°F...5,25°F (Control menu)
Sensors calibration	+5 °F... -5°F (Control menu)

CALIBRATION

Can be performed by entering control's menu. Consult your electrician.

- Sensor's calibration: Factory calibrated. Calibration can be checked or changed (if a sensor is changed) from control's menu.
- Differential: (Hysteresis) : Can be changed from Control's menu.
- Change from ° F to ° C : Can be changed from Control's menu.

Note :Avoid mounting V2K at areas where condensation of water vapors may occur.

Optional: Modular wireless data transmission &supervision system interfaced with your Computer.

For more detailed information please contact us.

Hold "+" AND "-" buttons down until "Advance" shows on screen use "set" button to move through menu, use "+" AND "-" buttons to change values.