



INTRODUCING THE VARI-VAC® ALTITUDE 1 I.O.T. CONTROL PANEL

The latest technology has been used to make this the most powerful and flexible Vari-Vac® control panel to date, while maintaining all of the traditional Vari-Vac® modes you have grown accustomed to!

It's an internet kind of thing! • user friendly www.variablevac.com platform • BacNet/ModBus • remote panel control from PC and smart device • automatic software updates • remote support including operation, troubleshooting, calibration and adjustment • data history reports including individual apartment temperatures

STANDARD FUNCTIONS

- 10 inch touch screen display
- Original Vari-Vac® Control modes include; Automatic with Compensator, Valve Set, Manual Open/Close and a NEW "Program" mode allows for an automatic change of valve set from a programmable Valve/Temp table.
- Morning Boost with two setback periods (night and mid-day).
- Programmable automatic summer/winter boiler output relay.
- Automatic Daylight savings time change over.
- Adjustable minimum AND maximum valve opening.
- Automatic valve closure with loss of steam pressure.
- Vacuum Pump output relay-no more hard to adjust, hard to reach valve mounted End Switch!
- Boiler room flood alarm output relay.

MULTIPLE OPTIONS INCLUDING

- Wireless Apartment Temperature sensors can be used with or without averaging control input.
- Steam/Boiler pressure.
- House supply pressure/vacuum.
- House return pressure/vacuum.
- Stack temperature.
- Domestic water temperature.
- Aux temperature-handy on a hard to heat area!
- Built in easily adjustable system Differential Controller® output relay for Vacuum Pump with differential pressure readout-no more hard to find Differential Controller!
- Run indicators let you know when each individual motor on your Vacuum Pump is running.



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[Dashboard](#) [Heat](#) [Valve](#) [Heat Balancer](#) [Auto Heat](#) [Compensator](#) [Return Line](#) [Differential](#) [Temperature Sensors](#) [Pressure Sensors](#)

| Outdoor Air Temperature | Motor Current Position | Motor Target Position | Compensator |
|-------------------------|------------------------|-----------------------|-------------|
| 48.2°F | 11% | 11% | 3 |

| Mode | Operation | Period | Network |
|------|-----------|--------|-----------------|
| Auto | Winter | Midday | Panel Connected |

| Temperature Sensor | Current Reading | Pressure Sensor | Current Reading |
|--------------------|-----------------|-----------------|-----------------|
| Return Line | 100°F | Boiler | 4.2 PSI |
| Domestic Water | 118°F | Supply | 19.6 inHg |
| Stack | Disabled | Return | 19.3 inHg |
| Aux | Disabled | Differential | 0.3 inHg |

| Heat Balancer | Bottom | Top | Difference |
|---------------|--------|------|------------|
| | 68°F | 74°F | 6.8°F |

| Output | Control | Value | Input | State |
|--------------|--|--|--------------|--|
| Boiler | <input type="button" value="Auto"/> | <input checked="" type="button" value="ON"/> | Air Pump 1 | <input checked="" type="button" value="ON"/> |
| Vacuum Pump | <input type="button" value="Auto"/> | <input checked="" type="button" value="ON"/> | Air Pump 2 | <input checked="" type="button" value="ON"/> |
| Differential | <input type="button" value="Auto"/> | <input checked="" type="button" value="ON"/> | Condensate 1 | <input type="button" value="OFF"/> |
| Flood Alarm | <input checked="" type="button" value="Manual"/> | <input type="button" value="OFF"/> | Condensate 2 | <input type="button" value="OFF"/> |



Apartments

| Floor | E | D | F | C | B | G | A | H | M | L | J | K |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 01 | 73 °F | 79 °F | 77 °F | 80 °F | 75 °F | | | 71 °F | 76 °F | 79 °F | 76 °F | 75 °F |
| 02 | 74 °F | 83 °F | | 78 °F | 78 °F | 72 °F | 81 °F | | 79 °F | 79 °F | 75 °F | 74 °F |
| 16 | 77 °F | 79 °F | 79 °F | | 79 °F | 79 °F | | 179 °F | | 173 °F | | |
| 17 | 74 °F | 77 °F | 77 °F | | | | 80 °F | 175 °F | 175 °F | 176 °F | 178 °F | |

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