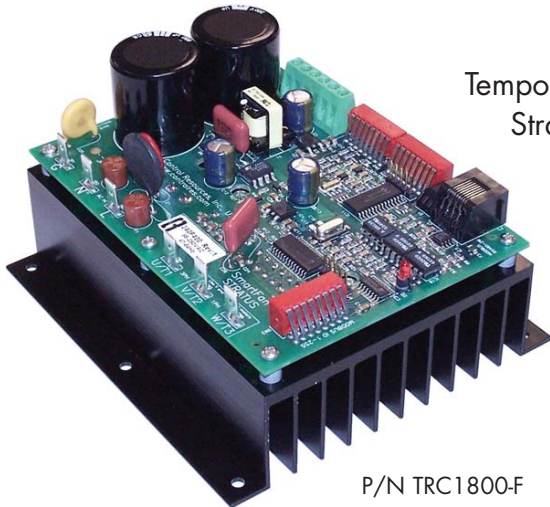


SmartFan[®] Nimbus-HP

Speed Control for AC Fans, Pumps and Motors



P/N TRC1800-F

Temporary SmartFan
Stratus Photos



P/N TRC1800E-F

SmartFan Nimbus-HP is a TRIAC based fan, pump and motor control designed for OEM applications in HVAC, electronic and industrial control markets. The Nimbus-HP automatically controls single phase motors that have been approved for voltage control by the motor manufacturer. Nimbus-HP regulates motor speed from a control signal (2-10 VDC, 4-20 mA) or up to three remote temperature sensors (thermistor). Typical applications include: humidity control, clean room pressurization, equipment cooling, heat exchangers, exhaust ventilators, pumps, duct fans & blowers. On-board programming allows the setting of many parameters providing maximum flexibility.

SPECIFICATIONS

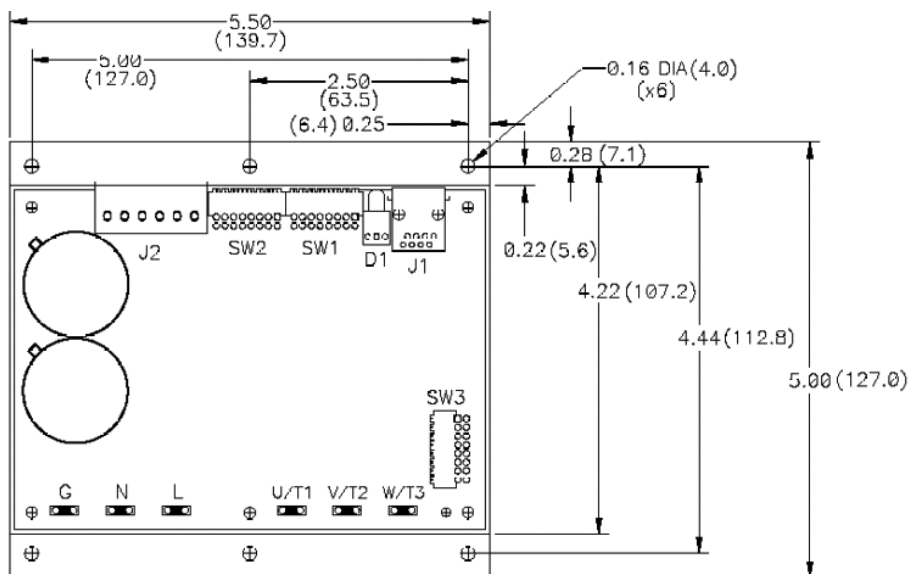
- Power source: 85-305 VAC, automatically detected
- Frequency: 47-64 Hz, automatically detected
- Output power rating at 40°C: 18 Amps
- Motor type: Induction either permanent split capacitor (PSC) or shaded pole motors that have been approved for voltage control by the motor manufacturer
- Input power and motor connections: 1/4" quick connects
- Control signal, sensor and alarm connections: Terminal Block
- Overload current protection
- Full voltage start pulse
- Built-in radio frequency interference (RFI) suppression
- Storage temperature: -40°C to 125°C
- Operating temperature: -20°C to 40°C
- Temperature accuracy and hysteresis: 2°C
- Weight: TBD oz. (TBD grams)
- Weight with cover: TBD oz. (TBD grams)
- RoHS (6/6) compliant
- Agency approvals pending

FEATURES

- Controls fan/motor speed based on:
 - 4-20 mA control signal
 - 2-10 VDC control signal
 - UP to three remote temperature sensors (supplied separately)
 - Dual control option (i.e. temperature and humidity)
- Programmable temperature control mode options:
 - One or two remote, OR'd temperature sensors
 - Four full speed temperature settings
 - Two control temperature slopes
 - Four idle speed settings
- Programmable fan/motor turn off at idle
- 64 fixed speed settings
- Remote alarm signal to indicate loss of control signal or over temperature condition
- Optional steel cover

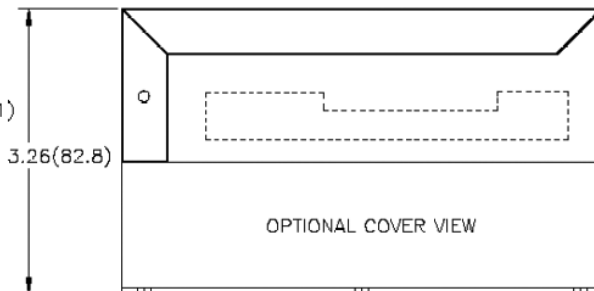
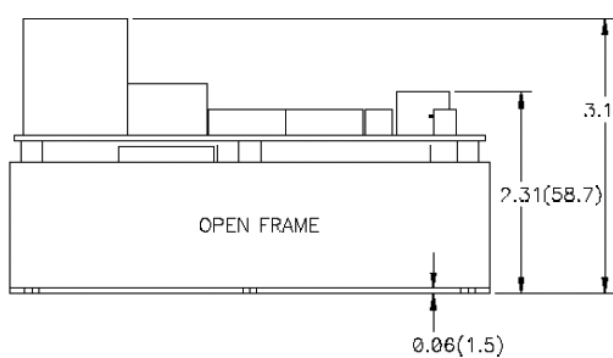
For complete product details visit: www.controlres.com

SmartFan[®] Nimbus-HP



inch(mm)

Temporary SmartFan
Stratus Dimensions



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