

FC Series Fan and Heater Control

Model: FC-1T-1VAC-1F

Control ventilation and heating with one easy-to-use controller

The Fan and Heater Control (FC-1T-1VAC-1F) automatically controls the temperature in a room by adjusting the speed of variable speed fans and controlling a heater interlock.

How it works

- When the temperature is at the temperature set point, the FC-1T-1VAC-1F operates the fans at the idle speed setting and the heater is off.
- When the temperature exceeds the set point, it increases the speed of the fans.
- When the temperature drops below the set point, it shuts off the fans (in shut-off mode) or operates the fans at idle speed (idle mode) and switches on the heater or heat lamps.

Features

- One variable stage
- One heater interlock output
- Automatic shut-off and idle modes
- Adjustable off set-back for shut-off mode (0 to 16°F)
- Adjustable idle speed for idle mode (0 to 99%)
- Adjustable temperature set point, range: 32 to 99°F (0 to 37°C)
- Adjustable temperature differential (1 to 20°F)
- Three-second full-power-turn-on to minimize fan ice-up
- LED display
- Fahrenheit and Celsius display
- Error code display for troubleshooting
- Overload protection fuse
- Six-foot temperature probe, extendable to 500 feet
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- CSA approval
- Two-year limited warranty



Electrical ratings

- **Input** 120/230 VAC, 50/60 Hz
- **Variable stage** 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
- **Variable fuse** 15 A, 250 VAC ABC-type ceramic
- **Relay** 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

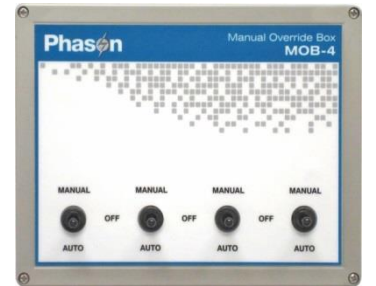
Accessories

Manual Override Box

The Manual Override Box (**model MOB-4**) increases the load handling capability of your control's relays and provides an external disconnect. The MOB-4 includes four 240 V power contactor relays with AUTO-OFF-MANUAL switches and snubber filters. The actuator override kit (**model KMOB4-ACTUATOR**) adapts two of the switch and relay pairs to manually open and close actuators or curtain machines.

Temperature probes

Additional temperature probes allow you to use 4-zone temperature averaging. Probes are available several lengths and can be extended up to 500 feet using extension cable.



Additional information

For more information about the FC-1T-1VAC-1F or other Phason products, contact your dealer or visit www.phason.ca.