

FC Series Variable DC Control

Model: FC-1T-1VDC

Easy to use with 0 to 10 VDC output

Controlling variable frequency drives just got easier. The FC-1T-1VDC has a 0 to 10 VDC signal output and a disconnect relay that allows you to easily and effectively control variable frequency drives. The FC-1T-1VDC has many other applications including controlling expansion controls, modulating valves, or other equipment requiring a DC signal. All this from one easy-to-use control!

How it works

The display shows temperatures, signal output, programming information, and alarm codes. The indicator lights show which settings you are editing. The knob allows you to easily move between and adjust settings.

Features

- Automatic temperature-based control, range: 32 to 99°F (0 to 37°C)
- One 0 to 10 VDC output
- One disconnect relay ⓘ
- Alarm relay (for external alarm system or siren)
- Three-second full-power-turn-on for minimizing fan ice-up
- Three-character LED display
- Status and programming LEDs
- Alarm code display
- Customizable alarm settings
- Power-failure settings protection
- 6-foot temperature sensor, extendable to 500 feet
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- cCSAus approval
- 2-year limited warranty



ⓘ When the 0 to 10 VDC signal output is 0, the disconnect relay sends a start/stop signal to the equipment you are controlling with the variable output. The relay is not for controlling fans, heaters, or other equipment.

Electrical ratings

- Input 120/230 VAC, 50/60 Hz
- Variable DC 0 to 10 VDC, 2K Ω load
- Disconnect relay 5 A at 250 VAC, 5 A at 30 VDC, resistive load
2 A at 250 VAC, 2 A at 30 VDC, inductive load
- Alarm relay 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

Accessories

FanDRIVES

FanDRIVES expand the capacity of your control system by taking the 0 to 10 VDC signal from the control and adjusting the speed of variable AC-powered fans. No additional programming is required; FanDRIVES follow the programming of the master control.

A 2x 7 FLA model (FD-2-7) and a 1x 14 FLA (FD-1-14) are available.

Phason 3K Series temperature sensors

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

