The Model FC-1000 Electronic Fan Speed Control provides precise speed modulation of small AC motors. Popular 0 to 10 VDC input works with most process controllers, eliminating the need for more expensive dampers, damper actuators and linkages while improving overall energy efficiency of the system. This inexpensive unit enables variable control of ventilation fans, condenser fans and interfacing with VAV box controllers.

**Model FC-1000, Electronic Fan Speed Control**

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**SPECIFICATIONS**

- **Line Voltage Range:** 120 to 277 VAC, 60 Hz.
- **Input Signal Voltage:** 0 to 10 VDC.
- **Low Voltage Input:** 24 VAC, class 2.
- **Input Signal Impedance:** 10K Ω.
- **Full Load Amp Rating:** 9.8 @120 VAC, 9.3 @ 208 VAC, 8.0 @ 240 VAC, 6.9 @ 277 VAC.
- **Locked Rotor Amp Rating:** 24.0.
- **Temperature Limits:** -40 to 131°F (-40 to 55°C).
- **Electrical Connections:** Line voltage: 10-32 screw terminals. Signal and low voltage input: 1/4˝ quick connects.
- **Transient Protection:** 320 V surge suppression. Exceeds IEEE C62.41 standards.
- **Housing Materials:** Cold rolled steel.
- **Enclosure Rating:** NEMA 1.
- **Mounting:** Vertical only; four holes provided for #10 screws.
- **Weight:** 1 Ib, 11 oz (.77 kg).
- **Agency Approval:** UR.

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**Model KFD0, Galvanic Barrier**

The Model KFD0 Loop Powered, Galvanic Barrier provides complete isolation for communication with Dwyer® intrinsically-safe transmitters approved for use in hazardous areas. Galvanic barrier eliminates the need for a high integrity earth ground required when using shunt type diode type safety barriers. Unlike most other isolators, the Model KFD0 does not require external power and has a low current draw. The housing is designed to easily mount on most standard DIN rails.

**SPECIFICATIONS**

- **Hazardous Area Input:** Signal range: 4 to 20 mA (linear transmission 1 to 22 mA); Available transmitter voltage: ≥ 16 V for supply voltage > 21 V.
- **Safe Area Output:** Signal range: 4 to 20 mA; Transmitter voltage: ≤ 30 VDC.
- **Response Time:** ≤ 20 µs at 0, and ≤ 600 µs at 800 load.
- **Maximum Power Dissipation:** 150 mW @ 20 mA and V <24 V.
- **Temperature Limits:** -4 to 140°F (-20 to 60°C).
- **Temperature Drift:** ≤ 0.5 µA/°C.
- **Weight:** 4.2 oz (120 g).
- **Agency Approvals:** CE, FM.