

# FCP Series Thermostats

Controlling fan coil units and PTACs is easier than ever



Controlling 2-pipe or 4-pipe fan coil units or PTACs is now simple, cost effective and user friendly. The versatile FCP 7-Day Programmable and FCP Non-Programmable Thermostats can be used as stand-alone devices in a variety of building applications, including hotels, schools and offices. They provide access to parameters such as system mode, fan mode and temperature setpoints.

FCP Thermostats provide on/off control, up to three speeds of fan control, dry contact unoccupied or occupied control, minimum and maximum temperature protection, and key pad lockout. Each one has a large display with an adjustable backlight that enhances visibility. It also has a quick setup menu that makes it easy to commission, operate and optimize user preferences. In addition, both FCP Thermostat models are prewired for fast installation.

What's more, the programmable FCP thermostat is available in a no-fan version. This FCP-NF model is designed primarily for fan coils with independent fans and heat-only applications where no fan is needed. It provides the best market value for single stage heating/cooling applications without fans, and for baseboard and radiant heating systems with remote sensors.

Both FCP 7-Day Programmable and FCP Non-Programmable Thermostats are compatible with the Johnson Controls® 10k ohm NTC Type II and Type III remote sensor (available separately). Plus, each can be equipped with a remote temperature sensor, a remote pipe sensor, and a remote wired occupancy sensor to enable flexible options, including a 2-pipe FCU heat/cool switchover or a pipe sensor for automatic switching.

The power behind **your mission**



## Specifications

Specification		Description
Models		Non-programmable: FCP-NA-701-N, FCP-NA-701-B Programmable: FCP-PA-701-N, FCP-PA-701-B, FCP-PA-701-NF
Power requirements		20 VAC to 30 VAC, 60 Hz, max. 3 A (3 VA at 24 V nominal)
Output rating	Valve and fan outputs	1 A maximum per each relay channel (Max. relays ON combination: 3 relays), 20 VAC to 30 VAC
Analog inputs	Remote sensor	10K ohm at 77°F (25°C) NTC sensor
	Pipe sensor	10K ohm at 77°F (25°C) NTC sensor
	Set back	NC/NO dry contact switch
Local temperature sensor type		NTC temperature sensor, accurate to ±1°F (±0.6°C) at 77°F (25°C)
Remote temperature sensor type		NTC temperature sensor, accurate to ±2°F (±1.2°C) at 70°F (21°C)
Wire size		18 AWG (100 ft [30.5 m] maximum) to 24 AWG (36 ft [11 m] maximum)
Temperature adjustment range	Heat mode	45°F to 90°F (7°C to 32°C)
	Cool mode	60°F to 95°F (15°C to 35°C)
Accuracy	Local temperature sensor	±1°F (±0.6°C)
	Remote temperature sensor	±2°F (±1.2°C) at 70°F (21°C)
	Remote pipe sensor	±5°F (±3.0°C)
Deadband		2°F to 5°F (1°C to 3°C)
Ambient conditions	Operating	14°F to 122°F (-10°C to 50°C); 5% RH to 90% RH, noncondensing
	Storage	-4°F to 140°F (-20°C to 60°C); 5% RH to 90% RH, noncondensing
Disconnection means		Type 1B
Pollution degree		2
Rated impulse voltage		330 V
Automatic Action		100,000 cycles
Ratings for supply and loading		20 VAC to 30 VAC
Dimensions H x W x D		3.27 in. x 3.94 in. x 0.98 in. (83 mm x 100 mm x 25 mm)
Shipping weight		Product with packing and accessories: 10.1 oz (285 g) Thermostat only: 4.9 oz (138 g) Trim plate: 1.2 oz (33 g)
Compliance		ETL/cETL Listed, Mexico NOM Conforms to UL STD. 60730-1 & 60730-2-9 Certified to CSA STD. E60730-1 & E60730-2-9

## Features and benefits

### Designed for cost-competitive commercial thermostat market

- Non-programmable and seven-day programmable versions with up to six programmable periods per day
- Works with FCU 2- or 4-pipe or PTAC systems
- A no-fan version is available (FCP-PA-701-NF)
- Branding and non-branding (custom pad printing)
- Large display with adjustable backlight for enhanced visibility
- FCP-PA-701 features battery backup

### Easy self-install

- Quick setup menu has a reset installer and user configurations to configure the thermostat easily with 20 preset installations
- Pre-installed lead wires for fast installation
- Remote sensor ready
- Remote temperature
- Remote pipe
- Remote wired occupancy sensor

### Highly configurable

- Minimum/maximum temperature protection
- On/off control
- Three speeds of fan control
- Pipe sensor for automatic switching
- Calendar-based for automatic switching without a pipe sensor
- Key pad lockout
- Vacation mode
- Clock (12-hour or 24-hour)
- Automatic smart fan for comfort and energy savings
- Temperature in °F or °C

Note: Tamper-proof models are available on request. Ask your Johnson Controls representative for more details.

## Questions?

For more information, visit [johnsoncontrols.com](http://johnsoncontrols.com) or contact your local Johnson Controls representative.