

T701DFN-4 Non-Programmable and T701DFP-4 Seven Day Programmable Fan Coil Thermostat

Description

The T701DFN-4 Non-Programmable and T701DFP-4 Seven Day Programmable Fan Coil Thermostats provide simple-to-use control of two- or four-pipe fan coil units. These fan coil thermostats provide on and off control, three speeds of fan control, and dry contact unoccupied control. The thermostats are designed as stand-alone devices for use in commercial buildings, such as schools and hotels, and provide the user access to parameters such as system mode, fan mode, and temperature setpoints.

The configurable backlit display on the fan coil thermostats shows multiple settings simultaneously, including heating and cooling setpoints and room temperature. The display also shows the temperature in Fahrenheit or Celsius, depending on your preference. The thermostats offer a keypad lockout feature that prevents unauthorized access to the pre-programmed settings.

Features

- **Controls Most Fan Coil Unit Systems**—Providing efficient asset management and flexibility.
- **Non-Programmable (T701DFN-4) and Seven Day Programmable (T701DFP-4) Versions**—Make operation as simple as you want it to be.
- **Up to Three Programmable Occupied Periods Per Day (T701DFP-4 Only)**—Reduce operating expenses by controlling the room based on occupant schedules.
- **Dual Setpoint with Adjustable Deadband**—Provides comfort without sacrificing efficiency.
- **Manages 2- or 4-Pipe Systems**—Enabling one thermostat to control all your fan coil unit needs.
- **Auto-Changeover for 2-Pipe Systems with Pipe Sensor**—Minimizes seasonal maintenance.
- **Remote Sensor Ready**—Supports outside temperature sensors or duct temperature sensors.
- **Dry Contact Equipped**—Supports occupancy sensors or central time clocks.
- **Electric Heat Ready**—Supports auxiliary or exclusive electric heating.

T701DFP-4 Seven Day Programmable Fan Coil Thermostat



- **Backlit Display**—Makes operation easy in the dark.
- **Configurable Display**—Shows heating and cooling setpoints and room temperature simultaneously.
- **Temperature in °F or °C**—Senses on your terms.
- **Keypad Lockout**—Enforces setpoint energy policies by preventing tampering with the digital room thermostat settings in public spaces.
- **Non-Volatile Memory**—Retains program settings and setpoints during a power outage.

Repair Information

If the T701DFN-4 Non-Programmable or T701DFP-4 Seven Day Programmable Fan Coil Thermostat fails to operate within its specifications, replace the unit. For a replacement fan coil thermostat, contact the nearest Johnson Controls® representative.

Selection Chart

Product Code Number	Description
T701DFN-4	Non-programmable digital room thermostat for fan coil units
T701DFP-4	Programmable digital room thermostat for fan coil units

Accessories

Product Code Number	Description
SEN-700-1	T700 Series Digital Duct Sensor
ACC-700-1	T700 Series Wall Plate

T701DFN-4 Non-Programmable and T701DFP-4 Seven Day Programmable Fan Coil Thermostat (Continued)

Technical Specifications

T701DFN-4 Non-Programmable and T701DFP-4 Seven Day Programmable Fan Coil Thermostat		
Power Requirements		20 to 30 VAC, 50/60 Hz, 3 VA at 24 V nominal
Output Rating		Valve Outputs: 0.8 A maximum, 0.01 A minimum, 3 A inrush, 20 to 30 VAC Fan Outputs: 0.4 A maximum, 0.01 A minimum, 3 A inrush, 20 to 30 VAC
Digital Inputs	H20	Voltage-free contacts, closed to signal chilled water supply
	CK1	Voltage-free contacts, closed to alter setpoints
Local Temperature Sensor Type		Solid-state temperature sensor, 10 mV/deg F
Remote Temperature Sensor Type		Solid-state temperature sensor, digital communications over two wires, 5-foot (1.5 m) cable supplied, accurate to $\pm 1^\circ\text{F}$ ($\pm 0.6^\circ\text{C}$)
Wire Size		16 AWG (100 ft [30.5 m] maximum) to 24 AWG (36 ft [11 m] maximum)
Temperature Adjustment Range		35 to 99°F (2 to 37°C)
Accuracy		35 to 65°F $\pm 3^\circ\text{F}$ (2 to 18°C $\pm 1.8^\circ\text{C}$), greater than 65 to less than 80°F $\pm 2^\circ\text{F}$ (18 to less than 27°C $\pm 1.2^\circ\text{C}$); 80 to 99°F $\pm 3^\circ\text{F}$ (27 to 37°C $\pm 1.8^\circ\text{C}$), greater than 99 to 104°F $\pm 5^\circ\text{F}$ (37 to 40°C $\pm 3^\circ\text{C}$)
Deadband		Adjustable 1 to 6 degrees first stage, fixed 1°F (0.6°C) for medium and high fan speeds
Ambient Conditions	Operating	35 to 104°F (2 to 40°C), 5 to 95% RH noncondensing, 86°F (30°C) maximum dew point
	Storage	-22 to 122°F (-30 to 50°C), 5 to 95% RH noncondensing, 86°F (30°C) maximum dew point
Compliance		UL/cUL Listed, File E107041, NEC Class 2
Dimensions		3.14 in. H x 3.14 in. W x 1.1 D (80 mm H x 80 mm W x 28 mm D)
Shipping Weight		0.55 lb (0.25 kg)