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Honeywell TH5220D1029

Honeywell Focuspro 5000 Non-Programmable Thermostat

Model: TH5220D1029

PRODUCT OVERVIEW

The Honeywell Focuspro 5000 TH5220D1029 is a non-programmable digital thermostat designed for straightforward control of your home's heating and cooling system. It is compatible with 24 Vac conventional and heat pump systems, as well as 750 mV heating systems. Its large, clear backlit digital display ensures easy readability in various lighting conditions, and its precise comfort control maintains consistent temperatures with high accuracy.

This thermostat offers 2-heat and 2-cooling stage control, providing versatile climate management. Key features include an easy-access battery compartment for convenient replacement without removing the unit from the wall, and dual-power capability, allowing it to operate on batteries or be hardwired.



Figure 1: Front view of the Honeywell Focuspro 5000 thermostat, showcasing its large digital display and control buttons.

SETUP AND INSTALLATION

Before You Begin

- Ensure the power to your heating/cooling system is turned off at the circuit breaker or fuse box before beginning installation.
- Read all instructions carefully before proceeding.
- Gather necessary tools: screwdriver, wire strippers, drill (if needed).

Mounting the Thermostat

1. Carefully remove your old thermostat from the wall. Note the wiring connections.

2. Separate the new Honeywell thermostat from its wall plate.
3. Position the new wall plate on the wall, marking screw locations. Drill pilot holes if necessary.
4. Secure the wall plate to the wall using the provided screws.

Wiring

Connect the wires from your system to the corresponding terminals on the thermostat's wall plate. Refer to the labels on your old thermostat's wires and match them to the new terminals. Common terminal designations include:

- **R/Rc:** 24V AC power (heating/cooling)
- **C:** Common wire (for continuous power, optional if using batteries)
- **G:** Fan relay
- **Y/Y1:** Compressor (cooling)
- **W/W1:** Heat relay (heating)
- **O/B:** Reversing valve (heat pumps)

Ensure all connections are secure. After wiring, gently push any excess wire back into the wall opening.



Figure 2: Rear view of the thermostat, illustrating the wiring terminals and the battery access area.

Battery Installation

This thermostat requires two AA alkaline batteries for operation, or as a backup if hardwired. The easy-access battery compartment is located on the front of the unit. Simply flip out the door, insert the batteries according to the polarity markings (+/-), and close the door.

OPERATION

Display Overview

The large digital display shows the current room temperature, the set temperature, and the current system and fan modes. The display is backlit for improved visibility.

Setting the Temperature

To adjust the desired temperature, use the Up (▲) and Down (▼) arrow buttons located on the right side of the thermostat. Each press will adjust the temperature by one degree Fahrenheit. The display will show the new set temperature temporarily.

Selecting System Mode

Press the 'System' button to cycle through the available operating modes:

- **Heat:** The system will operate to maintain the set heating temperature.
- **Cool:** The system will operate to maintain the set cooling temperature.
- **Off:** The heating and cooling system is turned off.

Selecting Fan Mode

Press the 'Fan' button to cycle through the available fan modes:

- **Auto:** The fan runs only when the heating or cooling system is actively operating. This is the most common and energy-efficient setting.
- **On:** The fan runs continuously, regardless of whether the heating or cooling system is active. This can help with air circulation.

MAINTENANCE

Battery Replacement

When the low battery indicator appears on the display, replace the two AA alkaline batteries promptly. The easy-access battery compartment allows for replacement without removing the thermostat from the wall. Simply open the battery door, remove old batteries, insert new ones with correct polarity, and close the door.

Cleaning

To clean the thermostat, gently wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display or blank screen	Dead batteries; No power from system (if hardwired); Loose wiring.	Replace batteries; Check circuit breaker; Verify wiring connections.
System (heating/cooling) not turning on	Thermostat in 'Off' mode; Incorrect system mode selected; Loose wiring; System malfunction.	Set thermostat to 'Heat' or 'Cool'; Select correct system mode; Check wiring; Consult HVAC professional.
Inaccurate temperature reading	Thermostat exposed to direct sunlight or drafts; Sensor issue.	Relocate thermostat if possible; Ensure no direct heat/cold sources; Contact support if issue persists.
Fan runs continuously	Fan mode set to 'On'.	Change fan mode to 'Auto'.

TECHNICAL SPECIFICATIONS

Figure 3: Product dimensions for installation planning.

Feature	Specification
Brand	Honeywell
Model Name	Focuspro 5000
Model Number	TH5220D1029
Product Dimensions	1.5"D x 6"W x 3.5"H
Controller Type	Hand Control
Special Feature	Non-programmable digital thermostat
Power Source	Battery Powered (2 AA batteries required) and/or Hardwired (24 Volts)
Display Type	Digital
Backlight	Yes
Mounting Type	Wall Mount
Item Weight	0.01 Ounces

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your product or visit the official Honeywell website. Honeywell provides support for its products to ensure customer satisfaction. If you require technical assistance or have questions regarding your Honeywell Focuspro 5000 thermostat, please contact Honeywell customer support through their official channels. Contact information can typically be found on the manufacturer's website or in the product packaging.