



PRUD Series Mounting instructions and options

PRUD under-desk heater

The **PRUD (PRestyl Under-Desk)** series was developed to resolve heating and air-conditioning problems in buildings with many people in the same space. The units may be plugged into an outlet, or may be controlled by a plug-in thermostat, or PRCC Personal Comfort Controller.



Image of PRUD. This unit can be mounted against the modesty-panel or can be mounted in place of the center desk-drawer. The PRUD warms the lower body and the desk's surface, creating a perfect work-environment (warm legs, warm hands and cool head).



PRCC -120 120V, 500 Watt
Optional Personal Comfort Controller
Available in 120 Volts 50/60 Hz only

Installing the PRUD Far-Infrared heating panel

Locate a suitable AC power outlet capable of supplying 2.3 Amps for the 120 Volt units, 1.3 Amps for the 208 Volt unit, 1.15 Amps for the 230/240 Volt unit, or 2.6 Amps for the 100 Volt units.

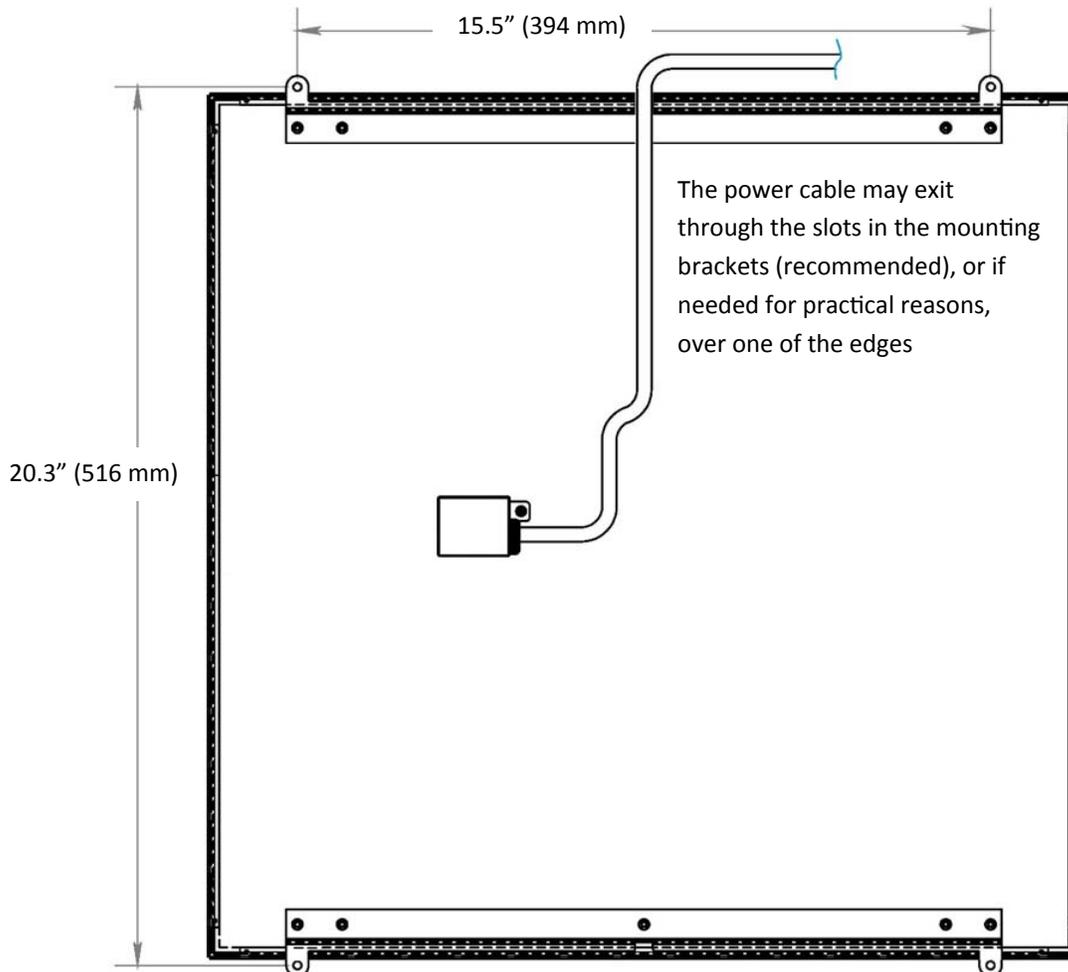
Pre-installation:

1. Before installing the PRUD2020 (PRUD5050 metric) Far-infrared heating unit it is best to do a “dry-run” to confirm that the controller is within reach and that the heating unit can be mounted properly; the heater may be mounted horizontally (in place of a desk-drawer) or vertically on the modesty panel. It may be mounted on a side-panel if there is enough room to move about without hitting it with the knees.
2. Select a conveniently located, active AC (Mains) power outlet.
3. If the outlet has a switch, confirm that it is in the off position, or switch off the breaker to the outlet.
4. Temporarily insert the power plug and confirm the most convenient location for the heating panel and its cable exit. With the aid of a helper (if needed), hold the heating unit in place and mark the mounting-hole locations; the hole-spacing is 15.5 X 20.3” (394 X 516 mm), but most installers prefer to use the “mark and drill” method.
5. Unplug the power cord, locate the (locally acquired) mounting-screws, washers and/or nuts (because there are numerous mounting options, hardware is not included).
6. Prepare the panel for mounting (remove any plastic covering, etc.).

Installing the PRUD continued

Mechanical Installation:

1. Prior to installing the PRUD2020 (5050), select a drill-bit which is compatible with the mounting-screw's size; if mounted to a wood surface (if needed with the aid of a helper), hold the unit in place and predrill two, diagonally opposite lead-in holes (exercise caution not to drill deeper than 80% of the panel's depth).
2. Guide the panel's power cable to the pre-identified exit point.
3. With the appropriate hand, or motorized screwdriver, install the first two mounting screws.
4. With the unit suspended in place, drill the other two lead-in holes.
5. Install the remaining two mounting-screws.
6. If mounted to a metal modesty panel (if needed with the aid of a helper), hold the unit in place and predrill two, diagonally opposite mounting-holes (de-burr the holes if required).
7. Guide the panel's power cable to the pre-identified exit point.
8. With the appropriate hand, or motorized screwdriver and wrench, install the first two mounting screws, washers and/or lock-washers.
9. With the unit suspended in place, drill the other two mounting-in holes
Install the remaining two mounting-screws, washers and/or lock-washers.



Installing the PRUD continued

Electrical installation:

1. If a Personal Comfort Controller (attached or separate) is used, make sure the on/off switch of the PRCC is in the "OFF" (0) position.
2. Plug the power (mains) plug into the pre-selected (mains) outlet.
3. Switch-on the (mains) outlet, or switch the breaker back on.
4. If a plug-in thermostat or external timer is used, follow the instructions provided with these accessories.
5. If fitted with PRCC, rotate the PRCC's side mounted "comfort control" to approximately mid-position.
6. Next, flip the PRCC's on/off switch to the "ON" (I) position; the green (steady) power light should now be active (ON) and the "comfort-level" indicator should be flashing on and off, indicating that the unit is set for approximately 50% of its rated power.
7. Rotate the comfort control clockwise (to the wide part of the arrow) and observe the comfort-level indicator; it should be on for most of the time and off for a very short time (this is the maximum power/temperature position).
8. Confirm that the PRUD heater is warming up (caution; in a few minutes, the unit will heat up to the temperature of hot coffee).
9. The system is now ready for service.
10. Set the control for a comfortable (panel-surface) temperature.

* **Notes:** If the distance between the mounting location and the heating panel exceeds the cable-length a code-conforming extension cord meeting the following requirements may be used:

The wire size must be no smaller than 16 Gauge (3 X 0.75 mm²); it must have a Line, Neutral, and Ground/Earth).

The length may not exceed 8' (2.4 m) No other devices should be plugged into this extension cable.

The cable must lay straight; it may not be curled or looped.

A short extension cable (less than 6 feet, or 1.6 m) with a multiple outlet-strip may be used provided that:

It is 3-wire, code-conforming (Line, Neutral, and Ground/Earth)

The total rated current capacity must be greater than the sum of the current for all devices, including the current allocated for the PRUD2020/5050. The cable must be straight, it may not be curled or looped.

Operation:

1. Ensure that the (mains) power-outlet switch, if fitted, is in the "ON" position, and the breaker to the outlet is "ON"
2. If fitted with a PRCC, Switch the PRCC's power switch to the "ON" position; and follow the instructions in the PRCC manual for intensity settings

(CAUTION AFTER A FEW MINUTES, THE PANEL'S SURFACE MAY REACH THE TEMPERATURE OF A HOT CUP OF COFFEE)

4. If a PRCC controller is installed, the comfort-level (representative temperature) may be adjusted to lower levels.

Cleaning and maintenance

No maintenance is required; wipe the heater clean with a dry rag, or unplug the heater before cleaning it with mild soap and water.