







PDC-R10

Recessed Hand Dryer



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PINNACLE DRYER CORPORATION

Model #PDC-R10

Technical Information

Motor – Heavy Duty, 7500 RPM, Double-insulated, CSA & UL Component Approved

Power Consumption – 14 amps 1.25 KW at 120 V. AC Nominal

Fan Rotor – Pressed Galvalume, electrically balanced, delivers 150 cfm.

Heating element – 1.00 KW Heavy-duty, thermally protected to cut out at 90 C.

Warranty – Limited 5 year warranty

Cover and Drying Chamber – 18 gauge stainless steel

Circuitry – All new solid state circuitry has completely eliminated all mechanical parts. Unit is activated by infra-red sensor when hands are placed in drying chamber. Dryer operates only when in use.

Drying Time – Complete drying is accomplished in 20-25 seconds.

Models – 120 V. AC 60 Hz

Weight – 20 lbs.

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INSTALLATION

The “**Pinnacle**” touch-less hand dryer must be installed on a 20 amp dedicated circuit and must be properly grounded.

Mount Model #PDC-R10 in wall during construction. Knockouts for conduit are located on the top and bottom right side of the recess box 1 ½” from the right side to the center of the knockouts.

FOR THE UNIT TO FUNCTION PROPERLY INSTALLATION SHOULD BE COMPLETE WITH THE COVER IN PLACE.

RECOMMENDED MOUNTING HEIGHTS *(check Code requirements in your area)*

Distance from Floor to electronic eye in Drying Chamber is 40” (102cm)
This means 35” to bottom of the rough opening

SERVICE

To insure proper operation, we recommend cleaning the interior parts of the “**Pinnacle**” touch-less hand dryers every six (6) months, eliminating dust collection. To clean, remove cover and turn off power at toggle switch. Using a soft bristle brush dust the interior parts. The **LED lens cover** should be cleaned daily to keep objects from blocking the sensors. To clean the cover of the **ADC-10** surface unit, we recommend spraying any non-abrasive cleaner directly onto the cover and wiping with a soft clothe. The cover of the **PDC-R10** recessed unit should be cleaned with a stainless steel cleaner in the same manner. We do not recommend spraying cleaner directly into the drying chamber of either model. Instead, spray the cleaner onto the cleaning clothe and wipe the drying chamber. This should be done daily to maintain a clean environment.

TROUBLESHOOTER CHECKLIST

If machine does not operate when hands are inserted:

1. Check panel box
2. Check for power to Printed Circuit Board

If machine continues to operate after turning power switch to off:

1. Replace switch

If machine operates but does not get hot:

1. Replace heating element

If machine makes humming noise but does not operate:

1. Replace motor

[Parts Replacement instructions](#)

MODEL #PDC-R10

To Replace Heating Element, Impeller Wheel, or Motor

1. Turn machine off at switch
2. Disconnect wires from printed circuit board
3. Remove #6/32 Hex Machine Screw Nuts holding housing & drying chamber in place
4. Carefully remove housing & drying chamber from recess box
5. Remove #6/32 Phillips Pan head machine screws & fan housing cover
6. If problem is heating element, replace defective heating element and go to step 15

To Replace Impeller Wheel and/or Motor

7. Remove inlet ring on right side of fan housing
8. Loosen and remove impeller wheel from motor shaft by turning the set screw counter clockwise with a 1/8 Allen Wrench and sliding off through hole in right side fan housing
9. If the motor needs replacing, remove screws holding motor to fan housing
10. Remove screws holding motor to bracket
11. Attach new motor to bracket using two 4x3/8 Phil Pan head tapping screws
12. Fit motor in place on left side fan housing and attach using two 4x3/8 Phil Pan head self tapping screws
13. Slide impeller wheel through right side opening in fan housing onto motor shaft and tighten
14. Replace inlet ring
15. Replace fan housing cover
16. Carefully place fan housing and drying chamber back in recess box, making sure no wires are caught underneath, and secure with #6/32 Hex Machine Screw Nuts. **NOTE: Before putting housing and drying chamber back in box, it is best to disconnect the LED wire from the circuit board and lay over the outside of the box and then slide the LED wire under the fan housing to avoid breaking the wire.**
17. Reconnect to printed circuit board (see electrical diagram)
18. Turn power switch on and replace outside cover, making sure lips in cover opening are over drying chamber and secure with 1/4x20x1 flat socket cap screws.
19. Cover LED lens to make sure machine operates properly

PINNACLE DRYER CORPORATION

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WARRANTY

Pinnacle Dryer Corporation extends a ten (10) year limited warranty on replacement parts. This warranty applies only to the original purchaser and is effective from date of purchase. The printed circuit board shall be warrantied for one (1) year from date of purchase. Liability other than replacement of defective parts will not be accepted by the company. This includes parts damaged due to electrical storms and other acts of nature. As “**Pinnacle**” hand dryers are designed to be repaired very easily without removal from the wall, shipping and factory labor costs are normally eliminated. In the event the purchaser prefers to return the hand dryer to the factory for repair, all parts under warranty will be repaired with purchaser paying a \$30.00 service charge and all freight costs. This warranty is limited to replacement of defective parts only and does not apply to malicious damage. It does not cover normal wear and tear. All defective parts must be returned prepaid to the factory along with hand dryer serial number.

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PARTS LIST

PARTS LIST FOR MODEL PDC-R10	
PART NUMBER	DESCRIPTION
FHA1000	1000W HEATING ELEMENT
116052R10	MOTOR
0300-187S	IMPELLER WHEEL
R10COV	DRYER COVER
LEDLENS	LED LENS COVER
R10FANSHS	FAN & HEATER HOUSING
TS105	TOGGLE SWITCH ASSEMBLY
R10-6	PRINTED CIRCUIT BOARD
R10-4	LED ASSEMBLY
SS1420	SECURITY SCREW
HEX KEY	BIT FOR SECURITY SCREW