

Ceiling Fan Heater

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ABSTRACT

CEILING FAN HEATER KIT is disclosed for repurposing ceiling fan in cold weather for heating application wherein: the ceiling fan blades (1) are holding atleast one heating element (3) with supportive insulating flexible string (2) such that the string creates a distance between the heating element (3) and the fan blade(1), and which is fixed on the fan blades(1); both extremities of the said heating element (3) are suitably connected for power supply to the electrodes provided on the rod, preferably by passing through roller bearing; a temperature controller which directly switches off the heating element as per the thermal comfort of the user and plurality of fan regulators for low rotational speed operation of the fan blades(1) and separate switch may be provided for the On/Off function of the heating element(3).

KEY APPLICATION AREAS

- 1.Indoor space heating.
- 2.HVAC (Heating, Ventilation & Air Conditioning).
- 3.Smart home heating solutions.
- 4.Residential and commercial buildings.
- 5.Energy-efficient heating systems.
- 6.Ceiling fan retrofit technologies.

POTENTIAL USES

- 1.Converting existing ceiling fans into room heaters.
- 2.Uniform warm air distribution in indoor spaces.
- 3.Replacing standalone room heaters.
- 4.Low-cost retrofit for winter heating.
- 5.Temperature-controlled indoor heating.
- 6.Year-round utilization of ceiling fans.