



# greenfan® inc.

## Occupancy Fan Controller (OFC™) Model 1700-01

Occupancy Fan Controller OFC Model 1700-01	Radar sensors switch fans to auto when unoccupied, saving 20 to 30% on fan, cooling, and heating energy, based on Intertek® laboratory tests. OFC provides variable fan-off delays after cooling and heating to increase off-cycle periods and closes economizer dampers when unoccupied.
CPUC-Approved	SWHC062-02 Occupancy Fan Controller (OFC) measure package is approved statewide by the California Public Utilities Commission. <a href="https://www.caetrm.com/measure/SWHC062/01/">https://www.caetrm.com/measure/SWHC062/01/</a>
Compliance	UL 916 Energy Management Accessory Certification E 356046, Class 2.
Compatibility	Works with packaged and split-system air-conditioning systems and gas furnaces, heat pumps, and electric and hydronic heating systems.
Value Proposition	High customer satisfaction is based on improved indoor air quality and comfort.
Indoor Air Quality	OFC allows fans to operate continuously when the space is occupied, improving indoor air quality per ASHRAE 62.1. OFC prevents biofilms and maintains proper airflow by removing 0.5 to 0.8 lbs of water per AC cycle, drying the evaporator coil after each cooling cycle. According to the Montana State University Center for Biofilm Engineering, biofilms affect indoor air quality and form when viruses, bacteria, mold, fungi, mites, and dust attach to water on evaporator coils. <a href="https://www.biofilm.montana.edu/">https://www.biofilm.montana.edu/</a>
Standby Power	OFC standby power is 1.4W, and active power is 2.3W
Reliability	The OFC opto-isolator circuit eliminates stray voltage to prevent false triggering and prevent turning on the fan during smart thermostat power stealing
Electric Specifications	0.06A (1.4W) standby, 0.097A (2.3W) active power, 24VAC, 50/60Hz fail-safe design
Wiring Harness	22 AWG stranded hook-up wires: Red hot R, Blue common B, Yellow AC Y, White heat W (or heat pump O/B), Black thermostat fan G, green to HVAC terminal fan G, Yellow/Green stripe occupancy output. DIP switch configured.
Easy Installation	OFC quick tests check the occupancy radar sensor and wire connections to ensure easy, high-quality installation, proper operation, and energy savings.
Warranty	5-year warranty and solid-state design lasts for the life of the HVAC equipment
Patented variable fan-off delays	Economizer fan-off delay: Cooling: 1.3 to 4 min. Gas furnace heating: 1.5 to 4 min. No economizer fan-off delay: Cooling 3 to 6 min. Gas furnace: 3 to 5.5 min. HP heating: 1 to 3.25 min. US Pat. 11460208, 10047969, 10119719, 9797405, 9410713 B2, 10281938, 10533768, 10712036, 9995493, 11187425, RE49383E.
Ambient Conditions	32°F–122°F (0°C–50°C), 10%–95% RH, 86°F (30°C) maximum dew point
PCB electronics	RoHS and Prop 65 compliant, all parts are UL listed
Packaging	RoHS and Prop 65 compliant ABS, UL 94 HB
Labeling	RoHS and Prop 65 compliant UL listed labels
Dimensions	3.15" (80 mm) Dia. x 0.79" (20 mm) Depth x with thermostat wires
Weight	0.8 ounces (22 grams)

Performance specifications are nominal and conform to acceptable industry standards. [www.greenfan.co/OFC](http://www.greenfan.co/OFC)