CLAIMS

[Claim 1]

An air conditioner comprising:

a humidity sensor configured to measure an indoor humidity;

one outdoor unit; and

at least two indoor units connected with a refrigerant pipe through which a refrigerant sent from the one outdoor unit flows,

wherein each of the at least two indoor units comprises:

a refrigerant circuit in which at least an evaporator is connected to the refrigerant pipe;

an operation controller configured to control the refrigerant circuit according to an operating state; and

at least two indoor fans configured to blow air to the evaporator,

wherein the operation controller is configured to

during a dehumidifying operation, when the indoor humidity measured by the humidity sensor is equal to or lower than a preset humidity threshold, control at least one indoor fan among the at least two indoor fans to stop rotating, and

during the dehumidifying operation, when the indoor humidity measured by the humidity sensor is higher than the preset humidity threshold, control the at least two indoor fans to keep rotating.

[Claim 2]

The air conditioner according to claim 1, comprising:

a temperature sensor configured to measure an indoor temperature,

wherein the operation controller is configured to

when the indoor temperature measured by the temperature sensor is equal to or lower than a preset temperature threshold, and the indoor humidity measured by the humidity sensor is equal to or lower than the preset humidity threshold, control at least one indoor fan among the at least two indoor fans to stop rotating, and

when the indoor temperature measured by the temperature sensor is equal to or lower than the preset temperature threshold, and the indoor humidity measured by the humidity sensor is higher than the preset humidity threshold, control the at least two indoor fans to keep rotating.

[Claim 3]

The air conditioner according to claim 2, wherein

a first temperature threshold higher in temperature than the preset temperature threshold and a second temperature threshold as the preset temperature threshold are preset, and

the operation controller is configured to

when the indoor temperature measured by the temperature sensor is higher than the first temperature threshold, control each of the at least two indoor fans to rotate at a first rotation speed, and

when the indoor temperature measured by the temperature sensor is equal to or lower than the first temperature threshold and higher than the second temperature threshold, control at least one indoor fan among the at least two indoor fans to rotate at the first rotation speed, and other indoor fans than the at least one indoor fan to rotate at a second rotation speed lower than the first rotation speed.

[Claim 4]

The air conditioner according to any one of claims 1 to 3, wherein

the operation controller is configured to, after a certain period of time has elapsed, switch between an indoor fan controlled to rotate and an indoor fan controlled to stop rotating.

[Claim 5]

The air conditioner according to any one of claims 2 to 4, wherein

at least one of the temperature sensor and the humidity sensor is provided in a place other than the at least two indoor units.

[Claim 6]

The air conditioner according to claim 5, further comprising:

one or more remote controllers each configured to operate a respective one of the at least two indoor units,

wherein the at least one of the temperature sensor and the humidity sensor is provided in the one or more remote controllers.

[Claim 7]

The air conditioner according to any one of claims 2 to 4, wherein

each of the at least two indoor units comprises at least one of the temperature sensor and the humidity sensor.

[Claim 8]

The air conditioner according to any one of claims 1 to 7, wherein

among the at least two indoor units connected to the one outdoor unit, at least a first indoor unit performs a cooling operation, and at least a second indoor unit performs the dehumidifying operation.

[Claim 9]

A control method for an air conditioner comprising one outdoor unit and at least two indoor units, each of the at least two indoor units comprising at least two indoor fans, the control method comprising:

during a dehumidifying operation, when an indoor humidity is equal to or lower than a preset humidity threshold, controlling at least one indoor fan among at least two indoor fans to stop rotating; and

during the dehumidifying operation, when the indoor humidity is higher than the preset humidity threshold, controlling the at least two indoor fans to keep rotating.

[Claim 10]

The control method according to claim 9, further comprising:

when an indoor temperature is equal to or lower than a preset temperature threshold, and the indoor humidity is equal to or lower than the preset humidity threshold, controlling at least one indoor fan among the at least two indoor fans to stop rotating; and

when the indoor temperature is equal to or lower than the preset temperature threshold, and the indoor humidity is higher than the preset humidity threshold, controlling the at least two indoor fans to keep rotating.

[Claim 11]

The control method according to claim 10, wherein

a first temperature threshold higher in temperature than the preset temperature threshold and a second temperature threshold as the preset temperature threshold are preset, and

the control method further comprises:

when the indoor temperature is higher than the first temperature threshold, controlling each of the at least two indoor fans to rotate at a first rotation speed; and

when the indoor temperature is equal to or lower than the first temperature threshold and higher than the second temperature threshold, controlling at least one indoor fan among the at least two indoor fans to rotate at the first rotation speed, and other indoor fans than the at least one indoor fan to rotate at a second rotation speed lower than the first rotation speed.

[Claim 12]

The control method according to any one of claims 9 to 11, further comprising:

after a certain period of time has elapsed, switching between an indoor fan controlled to rotate and an indoor fan controlled to stop rotating.

[Claim 13]

The control method according to any one of claims 10 to 12, further comprising:

measuring the indoor humidity by a humidity sensor; and

measuring the indoor temperature by a temperature sensor,

wherein at least one of the humidity sensor and the temperature sensor is provided in a place other than the at least two indoor units.

[Claim 14]

The control method according to claim 13, wherein

the at least one of the humidity sensor and the temperature sensor is provided in one or more remote controllers each configured to operate a respective one of the at least two indoor units.

[Claim 15]

The control method according to any one of claims 10 to 12, further comprising:

measuring the indoor humidity by a humidity sensor; and

measuring the indoor temperature by a temperature sensor,

wherein at least one of the humidity sensor and the temperature sensor is included in each of the at least two indoor units,

[Claim 16]

The control method according to any one of claims 9 to 15, further comprising:

performing a cooling operation by at least a first indoor unit among the at least two indoor units connected to the one outdoor unit; and

performing the dehumidifying operation by at least a second indoor unit among the at least two indoor units.