[Document Name] Claims

[Claim 1]

An electric circuit board for a refrigerating apparatus, the electric circuit board is electrically connectable to a control board (81) of an indoor unit, wherein:

the electric circuit board is connectable to a first power source via a communication line; and

the electric circuit board comprises a relay (76), the electric circuit board being further connectable to a second power source, and the second power source being electrically connectable to the control board (81) via the relay (76), the relay (76) comprising:

a relay coil (76a) being configured to be energized when the electric power is supplied to the control board (81) from the first power source and not to be energized when the electric power is not supplied to the control board (81) from the first power source; and

a relay switch (76b) being configured not to electrically connect between the second power source and the control board (81) during the relay coil (76a) being energized and to electrically connect between the second power source and the control board (81) during the relay coil (76a) being not energized, wherein

the relay (76) being configured to switch power to the control board (81) from the first power supply to the second power supply when power is not supplied from the first power supply to the control board (81).

[Claim 2]

The electric circuit board according to claim 1, wherein the electric circuit board is configured to receive DC voltage from the second power source.

[Claim 3]

The electric circuit board according to claim 1 or 2, wherein the electric circuit board further comprises a switching circuit (75) that can be switched between the first state that is electrically connected, and the second state that is not electrically connected to the second power source, wherein,

when power is not supplied from the first power supply to the control board (81), the switching circuit (75) is configured to be switched to the first state by the relay (76).

[Claim 4]

The electric circuit board according to claim 3, wherein the electric circuit board further comprises a switch (78); and

the switch (78) is configured to turn on or off the energization of the relay (76) to switch the switching circuit (75) to the first state when the power is not supplied from the first power source to the control board (81).

[Claim 5]

The electric circuit board according to claim 4, wherein the switch (78) is configured to be turned on while the power is being supplied from the first power source to energize the relay (76); and

the switch (78) is further configured to be turned off to cut off the power supply to the relay (76) while the power is not supplied from the first power supply.

[Claim 6]

The electric circuit board according to any one of claims 3 to 5, wherein the relay switch (76b) is configured to switch the switching circuit (75) to the first state when the energization of the relay coil (76a) is on or off.

[Claim 7]

The electric circuit board according to any one of claims 1 to 6, wherein the electric circuit board is separated from the control board (81).

[Claim 8]

The refrigerating apparatus equipped with the electric circuit board according to any one of claims 1 to 7.

[Claim 9]

A refrigerating apparatus equipped with the electric circuit board according to claim 8,

wherein the refrigerating apparatus comprises an outdoor unit and a plurality of indoor units connected to the outdoor unit and

when the power from the first power supply is not supplied to the control board of any one of the indoor units, a relay (76) is configured to switch to the second power supply.