

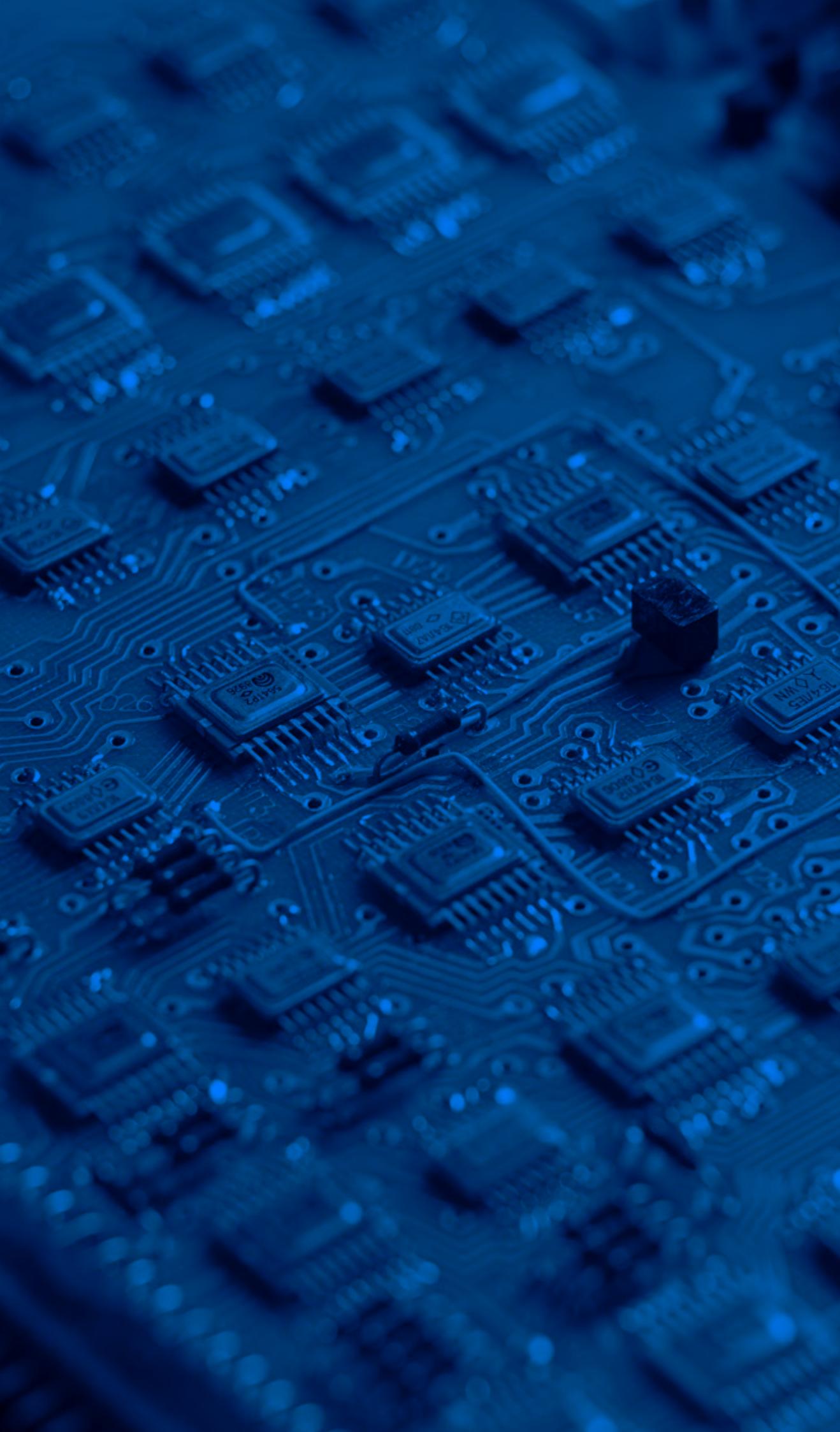


Baderfolientechnik GmbH
Blümlisalpstrasse 71
3627 Heimberg
info@folientechnik-bader.ch
+41 33 438 31 31

PDLC Power controller Product catalog

Multi-scene solution for FILMBASE smart film





Contents

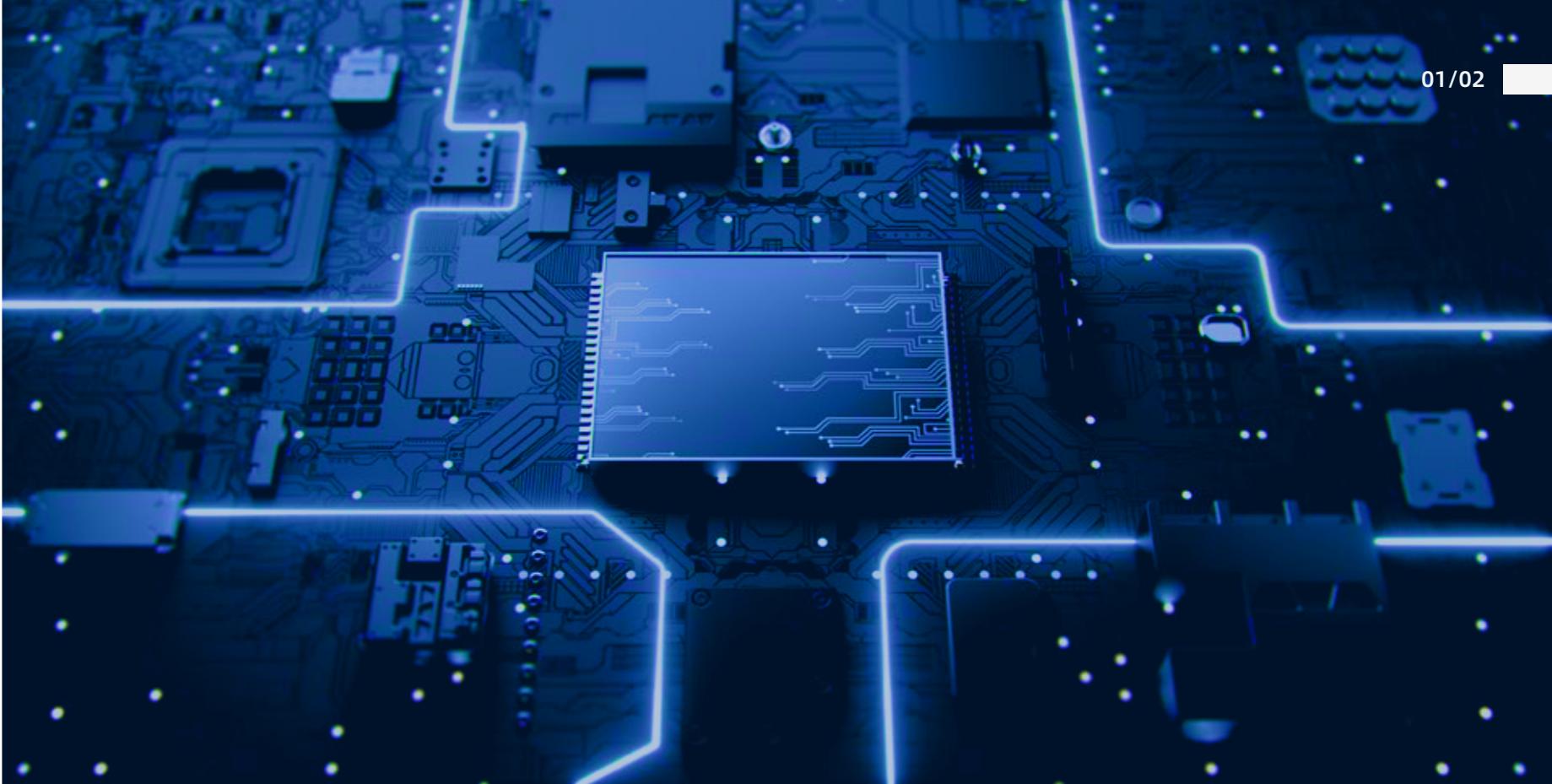
Smart film power controller	01-02	Smart film induction series	21-22
Overview of power controller		FB Peripheral human body sensing	
Power controller function		FB Peripheral laser induction	
Smart film power supply series	03-11	Smart film power controller combination	23-34
FB-931 Sample power supply series		High voltage wire control	
FB Wall adapter series		Remote control	
FB Desktop adapter series		Remote control/low voltage wire control	
FB-927 Small shell series		Magneto-controlled	
FB-927 Middle shell series		High voltage human body sensing control	
FB-927 Large shell series		Laser beam control	
FB-927 Plastic-case series		High voltage WIFI control switch connection	
FB-929 Middle shell series		Low voltage WIFI control switch connection	
FB-929 Large shell series		Sub-control	
 		General control	
Smart film controller series	12-20	9 way box	
FB Conventional remote control series		64 way louver controller	
FB-1009 Vehicle power supply series		Smart glass power supply	
FB-410 Smart glass power supply		Gradient smart film box	
FB-1003 Gradient smart film box		Wifi control gradient smart film	
FB 9 way box		Gradient smart film box three-state connection	
FB-915 Louver smart film controller		Magnetic dual control connection	
FB-1008 Sub-controller		Remote control/low voltage wire control (plastic case)	
FB WIFI controller			
FB Peripheral master controller			

PDLC Power controller

Smart film, PDLC for short, is a thin film made of two transparent conductive layers of composite liquid crystal, its characteristics for transparency can change between transparent and opaque, no electricity for opaque, apply its different properties of electrical properties, can show different transparent characteristics, used to drive the transparent equipment of PDLC. PDLC power controller, hereinafter referred to as "power controller".

The power controller is actually divided into "power supply" and "controller" two parts, The "power supply" part is responsible for power supply and provides working electric energy for PDLC. The "controller" part is responsible for all logic control of PDLC functions and performance. According to different uses, controllers with different characteristics can provide electrical protection for PDLC (such as overcurrent protection, overvoltage protection, undervoltage protection, short circuit protection, etc.). Provide a variety of terminal control schemes for PDLC (such as wireless remote control, human body sensing, touch control, infrared laser control, voice control, remote control, embedded smart home control, etc.), and provide functional change effects for PDLC (such as flicker mode, gradient mode, shunt control, louver grid, graphic display, etc.).

The working voltage of smart glass is generally 36-60VAC. Adhering to the concept of quality first, Filmbase has set up an electronics business division to independently develop and design a series of power controllers and control systems suitable for multiple application scenarios, with high performance, high quality and multi-function. It has a number of patents, software Copyrights and other independent intellectual property rights.



Remote control function

Can be matched with any special remote control code each power supply can be matched with 3 remote control



By-wire function

Connected to the mechanical switch control, usually 86 switch through the wall switch to control the transparency and atomization of the smart film



Door magnetic control

Through the wire control port, the spring end of the magnetic switch is connected to realize the transparency and atomization of the smart film



Human body sensing

Through AC input terminal or wire control port access to the human body induction module to realize human body induction, delay induction, control smart film



Remote control

The transparency and atomization of the smart film can be controlled remotely by matching the peripheral WIFI module accessories



Smart home

Through the wire control port, access to the smart home port, through the smart home control system, control the transparency and atomization of the smart film



Light sensing control

Specially equipped with no wiring light sensing remote control button 3 levels of light intensity control, strong light atomization, weak light transparent



Voice control

By matching peripheral voice module accessories, the transparency and atomization of smart film can be controlled by AI speaker or smart home voice

FB-931 Sample power supply series



Product Parameter

Input	5VDC Min.500mA; Interface type: USB.
Output	24-48VAC self-adaptive; Interface type: JST terminal.
Power	1W
Load	Smart film within 24 inches; ≤0.15m ² .
Function	Power on and start up; Press the button trigger cycle function. (Boot -> Flicker -> Gradient ->Shut down)
Size	48*26*15mm
Weight	20g
Input line	500mm
Output line	200mm

Price

FB-931 **6.20 USD**

FB Wall adapter series



Product Parameter

Input	100-120VAC 60Hz / 200-240VAC 50Hz
Output	Regular 60VAC; The output frequency follows the input frequency; Customizable output 36-110VAC.
Power	Can be chosen 1W / 3W / 5W.
Protection	Front stage safety capacitors fuse.
Function	No expansion; Can match the socket of various countries.
Size (1W)	52*33*30mm
Weight (1W)	120g
Size (3W)	58*44*36mm
Weight (3W)	150g
Size (5W)	65*44*39mm
Weight (5W)	170g

Price

FB-001W-60V **5.60 USD** FB-005W-60V **10.70 USD**

FB-003W-60V **8.50 USD**

FB Desktop adapter series



Product Parameter

Input	100-120VAC 60Hz / 200-240VAC 50Hz
Output	Regular 60VAC; The output frequency follows the input frequency; Customizable output 36-110VAC.
Power	Can be chosen 10W / 20W.
Function	No expansion. The wire control version cannot be added remote control later. The remote control must be supplied before delivery.
Size	78*60*48mm; Can match the plug of various countries.
Weight (10W)	330g
Weight (20W)	550g
Protection (By-wire plate)	Fuse wire.
Protection (Remote control version)	Fuse, over current protection, over voltage protection, short circuit protection.

Price

FB-010W-60V	19.70 USD
FB-020W-60V	21.06 USD

FB-927 Small shell series



Product Parameter

Input	100-120VAC 60Hz / 200-240VAC 50Hz
Output	Regular 60VAC; The output frequency follows the input frequency; Customizable output 36-110VAC.
Power	Can be chosen 30W / 50W.
Protection	Overcurrent protection, overvoltage protection, short circuit protection, front stage safety capacitors fuse.
Function	Remote receiver, wire control port.
Size	120*99*65mm
Weight (30W)	0.95kg
Weight (50W)	1.1kg

Price

FB-030W-60V	30.24 USD
FB-050W-60V	33.48 USD

FB-927 Middle shell series



Product Parameter

Input	100-120VAC 60HZ / 200-240VAC 50HZ
Output	Regular 60VAC; The output frequency follows the input frequency; Customizable output 36-110VAC.
Power	100W
Protection	Overcurrent protection, overvoltage protection, short circuit protection, front stage safety capacitors fuse.
Function	Remote receiver, wire control port.
Size	180*109*76mm
Weight	2.26kg

Price

FB-100W-60V	48.52 USD
-------------	-----------

FB-927 Large shell series



Product Parameter

Input	100-120VAC 60Hz / 200-240VAC 50Hz
Output	Regular 60VAC; The output frequency follows the input frequency; Customizable output 36-110VAC.
Power	Can be chosen 200W / 300W / 500W.
Protection	Overcurrent protection, overvoltage protection, short circuit protection, front stage safety capacitors fuse.
Function	Remote receiver, wire control port.
Size	200*120*100mm
Weight (200W)	3.5kg
Weight (300W)	4.2kg
Weight (500W)	5kg

Price

FB-200W-60V	59.40 USD	FB-500W-60V	106.60 USD
FB-300W-60V	79.68 USD		

FB-927 Plastic-case series



Product Parameter

Input	100-120VAC 60Hz / 200-240VAC 50Hz
Output	Regular 60VAC; The output frequency follows the input frequency; Customizable output 36-110VAC.
Power	Can be chosen 30W / 50W.
Protection	Overcurrent protection, overvoltage protection, short circuit protection, front stage safety capacitors fuse.
Function	Remote receiver, wire control port, upgrade port.
Size	150*96*58mm
Weight (30W)	0.8kg
Weight (50W)	0.9kg

Price

FB-03-20-60V Max0.5A	33.60 USD
FB-03-20-60V Max0.83A	37.80 USD

FB-929 Middle shell series



Product Parameter

Input	100-120VAC 60HZ/200-240VAC 50HZ
Output	Regular 60VAC; The output frequency follows the input frequency; Customizable output 36-110VAC.
Power	Can be chosen 200W / 300W / 500W/ 600W.
Protection	Overcurrent protection, overvoltage protection, short circuit protection, front stage safety capacitors fuse.
Function	Remote receiver, wire control port, can match gradient smart film box.
Size	205*171*84.2mm
Weight (200W)	3.5kg
Weight (500W)	6kg
Weight (300W)	4.3kg
Weight (600W)	6.6kg

Price

FB-200W-60V-M	67.40 USD
FB-300W-60V-M	81.20 USD

FB-500W-60V-M **124.50 USD**

FB-600W-60V-M **141.80 USD**

FB-929 Large shell series



Product Parameter

Input	100-120VAC 60Hz / 200-240VAC 50Hz
Output	Regular 60VAC; The output frequency follows the input frequency; Customizable output 36-110VAC.
Power	Can be chosen 800W / 1000W.
Protection	Overcurrent protection, overvoltage protection, short circuit protection, front stage safety capacitors fuse.
Function	Remote receiver, wire control port, can match gradient smart film box.
Size	220*196*100mm
Weight (800W)	7.5kg
Weight (1000W)	8.2kg

Price

FB-800W-60V-M	185.60 USD
FB-1000W-60V-M	242.80 USD

FB Conventional remote control series



Product Parameter

Frequency band	Center frequency 433.92MHz; Bandwidth 50MHz.
Power	>10mW; Remote control distance > 15 m;
Size	143*39*15mm
Weight	70g
Key count	Keys 1-8 are optional.
Data structure	24-bit return to zero code; First frame: 7-15ms; Data cycle :0.8-1.2ms(judgment time base 500us)
Battery specification	No. 7 battery *2; 1.5V/ node, suitable for all power supplies.

Price

FB-RC-8K	15 USD
----------	---------------

FB-1009 Vehicle power supply series



Product Parameter

Input	12VDC Min.1.2A
Output	Conventional 48VAC; Frequency 200Hz; Customizable output 36-60VAC.
Power	Max.10W
Protection	Conventional 48VAC; Frequency 200Hz; Customizable output 36-60VAC.
Function	Light sensing remote control, ACC ignition switch, wire control port, zero power consumption standby, customizable gradient.
Size	103*55*19mm
Weight	50g

Price

FB-CA-480V **48 USD**

FB-410 Smart glass power supply



Product Parameter

Input	100-240VAC 50/60Hz
Output	60VAC 50Hz; Customizable output 36-60VAC.
Power	30W / 50W
Protection	Overcurrent protection, overvoltage protection, short circuit protection, front stage safety capacitors fuse.
Function	Remote control receiver, conventional with 5 key remote control; Wire control port; Switch, flicker, gradient, speed regulation, constant voltage, constant frequency.
Size	123*88*35mm
Weight	430g

Price

FB-HF030-60V **66.79 USD**

FB-HF050-60V **69.80 USD**

FB-1003 Gradient smart film box



Product Parameter

Input	36-60VAC 50/60Hz
Output	0 - Vin
Power	Max.200W; Beyond 200W, increase the slave, and the slave power is also 200W.
Protection	Overcurrent protection, overvoltage protection, short circuit protection, front stage safety capacitors fuse.
Function	Remote control receiver, conventional with 8 key remote control; Wire control port; It should be used with FB-929 series power supply.
Size	124*79*30mm
Weight	160g
Regulation mode	PWM voltage regulation.

Price

FB-SCG-60V **72.88 USD**

FB 9-way box



Product Parameter

Input	36-60VAC 50/60Hz
Output	The voltage equals the input voltage ; 9 ways.
Power	Total power Max.200W; Single channel Max.20W.
Control	Remote control, conventional with 8 key remote control.
Size	124*79*30mm
Weight	160g
Function	Switch, dynamic mode speed regulation; Fit all power supplies.
Function (Static mode)	Small louver, medium louver, large louver, two mist through the middle, two mist through the middle.
Function (Dynamic mode)	Rolling, flowing water, convection, polymorphic circulation.

Price

FB-BY-009 **64.70 USD**

FB-915 Louver smart film controller



Product Parameter

Input	36-60VAC 50/60Hz
Output	The voltage equals the input voltage ; 64 ways.
Power	Total power Max.200W; Single channel Max.20W.
Control	Remote control, conventional with 8 key remote control.
Size	297*48*36mm
Weight	290g
Function	Switch, dynamic mode speed regulation; Fit all power supplies.
Function (Static mode)	Small louver, medium louver, large louver, two mist through the middle, two mist through the middle.
Function (Dynamic mode)	Rolling, flowing water, convection, polymorphic circulation.

Price

FB-BY-064

107.81 USD

FB-1008 Sub-controller



Product Parameter

Input	36-60VAC 50/60Hz
Output	The voltage equals the input voltage.
Power	Total power Max.200W.
Control	Remote control.
Size	67*42*23mm
Weight	40g
Function	Multiple controller, can be a remote control multi-key respectively control each branch, one key total control all branches; Fit all power supplies.

Price

FB-BR-001

16.17 USD

FB WIFI controller



Product Parameter

Input	36-220VAC 50/60Hz
Output	The voltage equals the input voltage.
Power	Total power Max.200W.
Control	Mobile phone APP.
Size	103*55*19mm
Weight	50g
Function	Switch control through APP, gradient (match the gradient smart film box), voice control, suitable for all power supplies.

Price

FB-wifi-200W **35.94 USD**

FB Peripheral master controller



Product Parameter

Input	110VAC 60Hz / 220VAC 50Hz
Output	The output voltage equals the input voltage.
Power	Total power Max.6000W; (Customizable)
Control	Remote control.
Size	It depends on the project.
Weight	It depends on the project.
Function	Single way switch, control multiple power supply, used for super large area of glass overall control, suitable for all power supply.

Price

FB-ZK-001 **27.60 USD**

*This peripheral picture is for reference only

FB Peripheral human body sensing



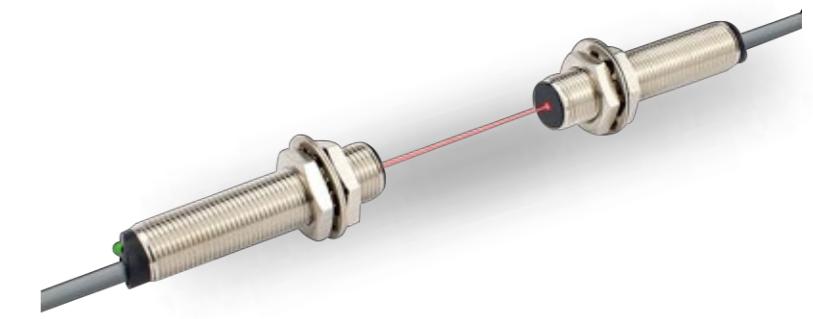
Product Parameter

Input	110VAC 60Hz / 220VAC 50Hz
Output	The output voltage equals the input voltage.
Power	Total power Max.200W.
Control	Human body movement induction control.
Size	It depends on the project.
Weight	It depends on the project.
Function	Human body sensing, control the transparency and atomization of smart glass, suitable for all power sources.

Price

FB-MO-001 **16.50 USD**

FB Peripheral laser induction



Product Parameter

Input	5VAC 50/60Hz
Output	Switching signal.
Power	NC
Size	M12; Customize.
Weight	NC
Function	The smart glass control is realized by blocking and transmitting the laser through the laser beam tube.
Control mode	Laser beam.

Price

FB-JG-001 **89.84 USD**

High voltage wire control - adapter series

Basic Function: Control the transparency and atomization of a set of smart glasses via a wall switch.

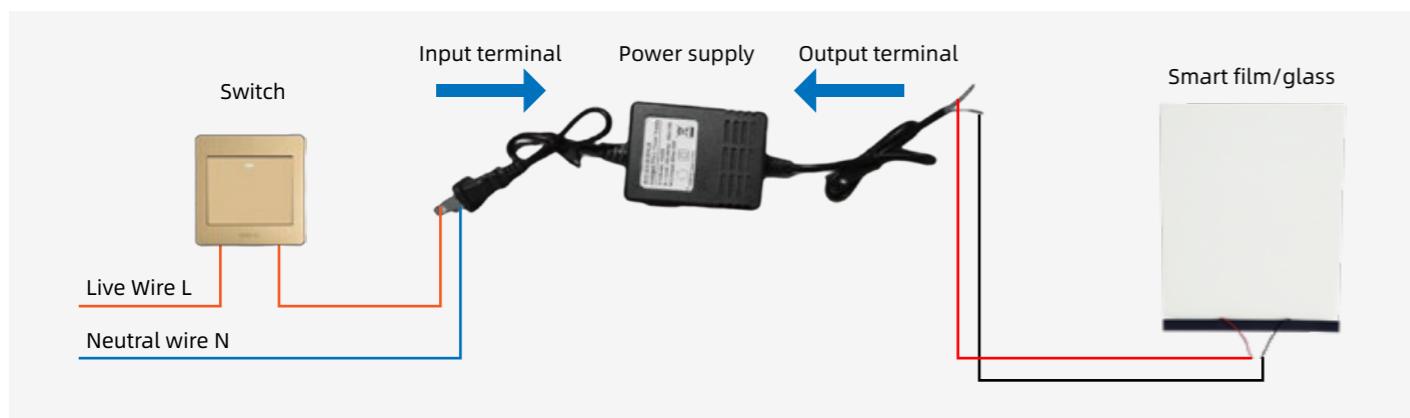
Control principle: Disconnect the mains power supply.

Note 1: Remote control is not recommended in this mode.

Note 2: If the input end is wired by cutting the plug, please remember that the side with the nameplate is input.

Note 3: Before power-on, please check the input and output carefully. Do not reverse the connection, otherwise the smart glass will be burned.

Use accessories: 86 panel switch (generally recommended customers own equipment).



High voltage wire control - FB927 small/medium shell series

Basic Function: Control the transparency and atomization of a set of smart glasses via a wall switch.

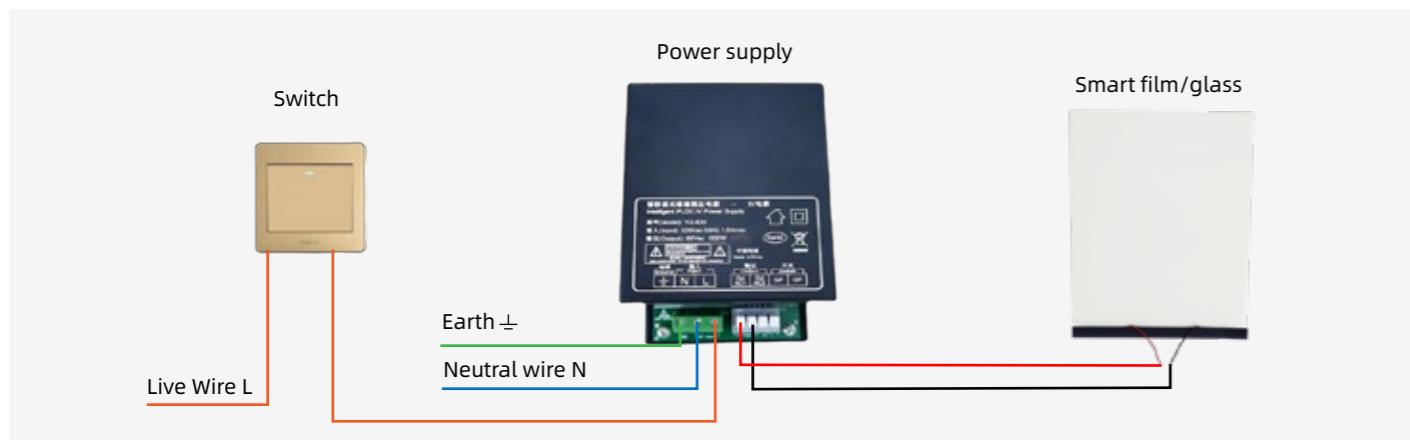
Control principle: Disconnect the mains power supply.

Note 1: Remote control is not recommended in this mode.

Note 2: If this method is used to switch the machine on and off, please leave the switch (O/F) port empty.

Note 3: Before power-on, please check the input and output carefully. Do not reverse the connection, otherwise the smart glass will be burned.

Use accessories: 86 panel switch (generally recommended customers own equipment).



High voltage wire control - FB927 large shell series

Basic Function: Control the transparency and atomization of a set of smart glasses via a wall switch.

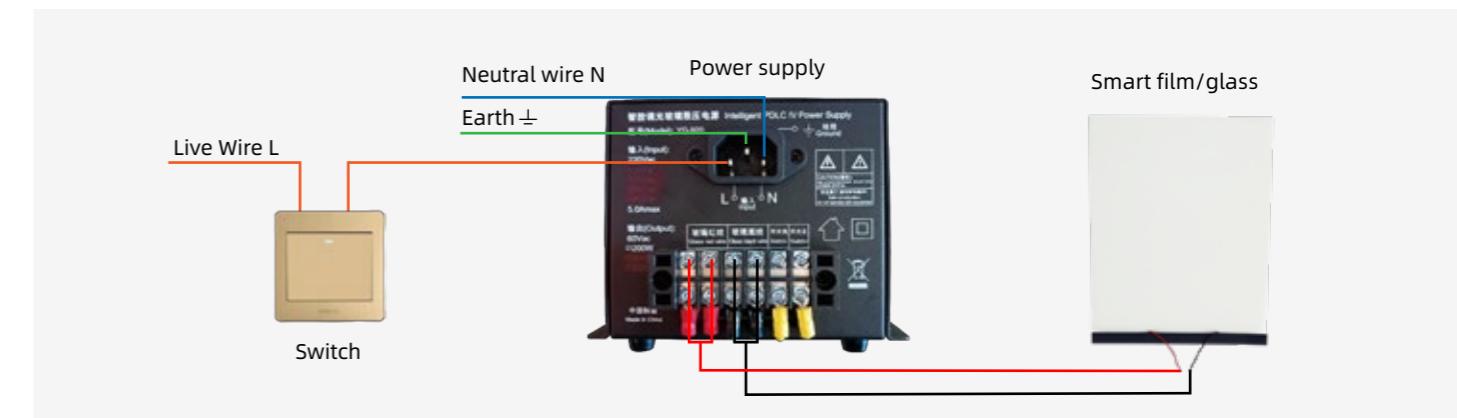
Control principle: Disconnect the mains power supply.

Note 1: Remote control is not recommended in this mode.

Note 2: If this method is used to switch the machine on and off, please leave the switch (O/F) port empty.

Note 3: Pay attention to the glass wire interface, there are two red and black ports, the corresponding color of the glass red and black wires is connected to one, power over 500W, it is recommended to do double red connection.

Use accessories: 86 panel switch (generally recommended customers own equipment).



High voltage wire control - FB929 series

Basic Function: Control the transparency and atomization of a set of smart glasses via a wall switch.

Control principle: Disconnect the mains power supply.

Note 1: Remote control is not recommended in this mode.

Note 2: If this method is used to switch the machine on and off, please leave the switch (O/F) port empty.

Note 3: Pay attention to the glass wire interface. Do not connect the glass wire to the nearby wire control port.

Use accessories: 86 panel switch (generally recommended customers own equipment).



Remote control - Adapter series

Basic Function: Control the transparency and atomization of a set of smart glasses by remote control.

Control principle: Disconnect the mains power supply.

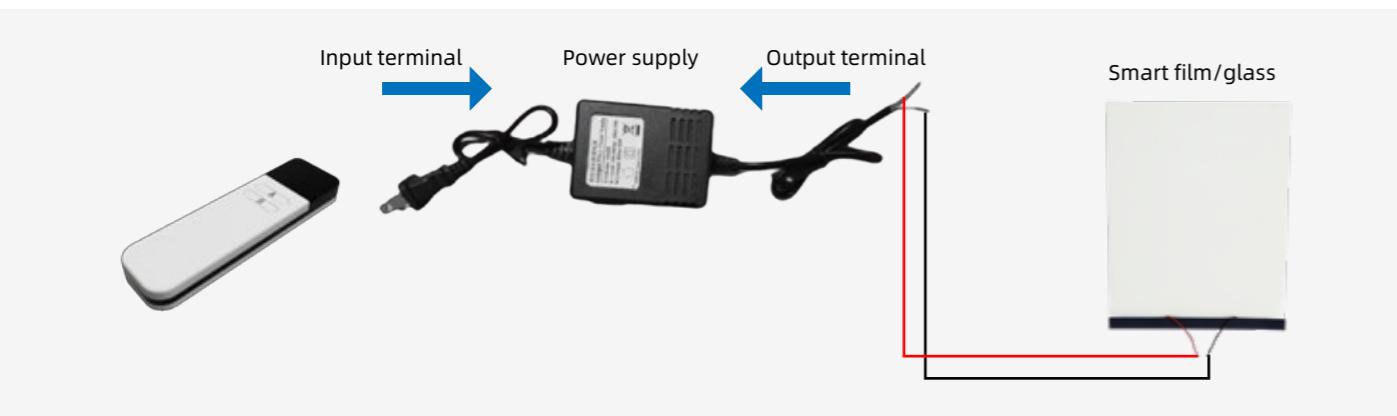
Note 1: Do not operate the remote control for 3 seconds after power-on. The effective distance of the remote control is 10 meters.

Note 2: If the input end is wired by cutting the plug, please remember that the side with the nameplate is input.

Note 3: Before power-on, please check the input and output carefully. Do not reverse the connection, otherwise the smart glass will be burned.

Note 4: It is not recommended to add a wall switch in this scheme. If it is added, the wall will not be opened, the remote control cannot be controlled, and the remote control is easy to lose code.

Use accessories: 2 key remote control.



Remote control/low voltage wire control - FB927 small/medium shell series

Basic Function: Control the transparency and atomization of a set of smart glasses by remote control and wall switch.

Control principle: wireless control, wall switch, control internal program control circuit, switch, remote control and wall open can realize double control.

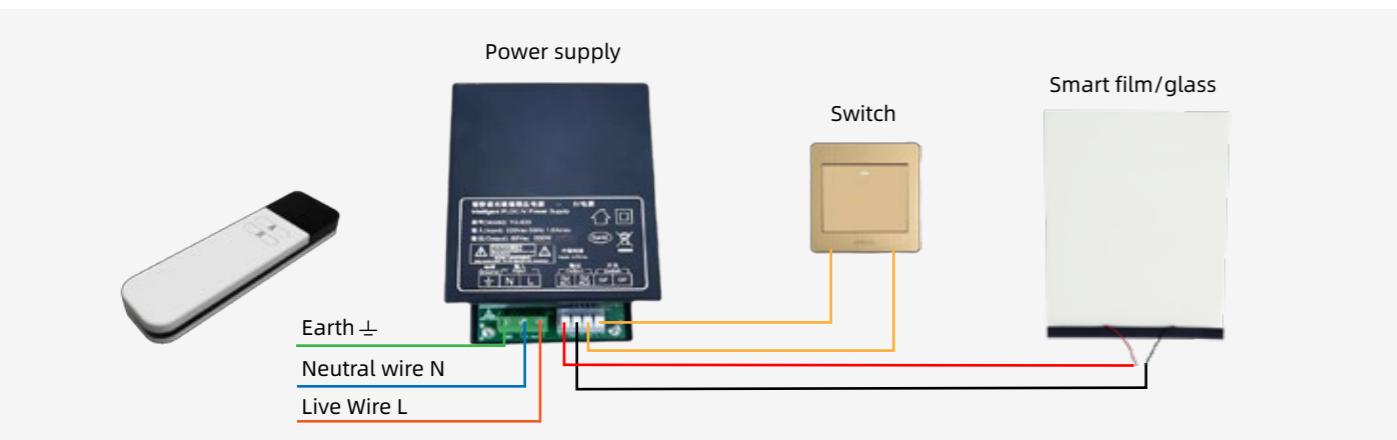
Note 1: only remote control can not go yellow line and wall switch; Only wire control, remote control can be removed.

Note 2: Shielded cables are recommended for the orange cables in the diagram. Separate cable troughs are recommended.

Note 3: The wire switch port can not be connected to any live line, only dry contact, that is, the 86 panel is only connected to our power line control port, not connected to any other line.

Note 4: Do not operate the remote control within 3 seconds of power-on. The effective distance of the remote control is 10 meters.

Use accessories: 2 key remote control, 86 panel switch (general customers own).



Remote control/low voltage wire control- FB927 large shell series

Basic Function: Control the transparency and atomization of a set of smart glasses by remote control and wall switch.

Control principle: wireless control, wall switch, control internal program control circuit, switch, remote control and wall open can realize double control.

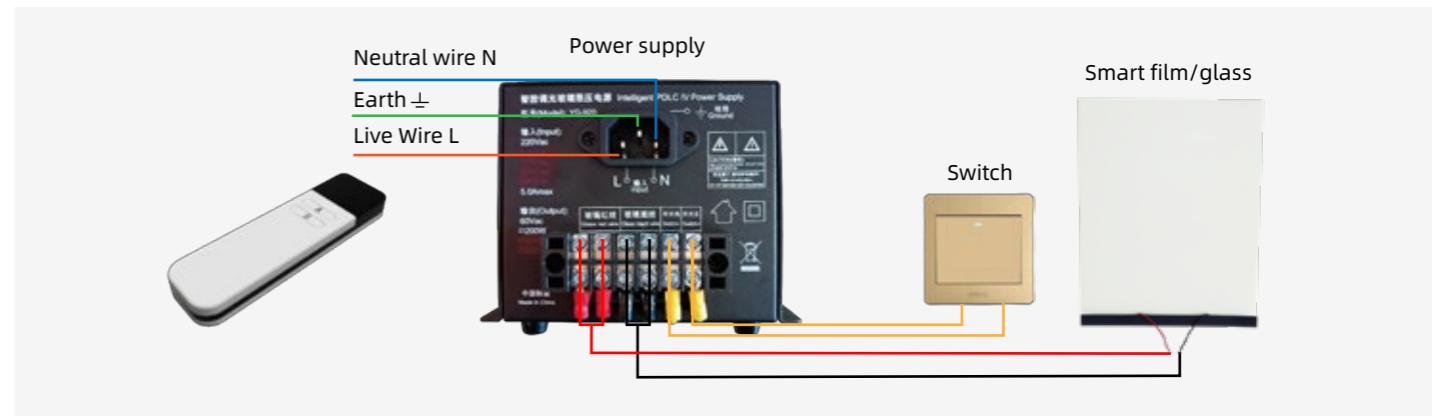
Note 1: only remote control can not go yellow line and wall switch; Only wire control, remote control can be removed.

Note 2: Shielded cables are recommended for the orange cables in the diagram. Separate cable troughs are recommended.

Note 3: The wire switch port can not be connected to any live line, only dry contact, that is, the 86 panel is only connected to our power line control port, not connected to any other line.

Note 4: Do not operate the remote control within 3 seconds of power-on. The effective distance of the remote control is 10 meters.

Use accessories: 2 key remote control, 86 panel switch (general customers own).



Remote/low voltage wire control- FB929 series

Basic Function: Control the transparency and atomization of a set of smart glasses by remote control and wall switch.

Control principle: wireless control, wall switch, control internal program control circuit, switch, remote control and wall open can realize double control.

Note 1: only remote control can not go yellow line and wall switch; Only wire control, remote control can be removed.

Note 2: Shielded cables are recommended for the orange cables in the diagram. Separate cable troughs are recommended.

Note 3: The wire switch port can not be connected to any live line, only dry contact, that is, the 86 panel is only connected to our power line control port, not connected to any other line.

Note 4: Do not operate the remote control within 3 seconds of power-on. The effective distance of the remote control is 10 meters.

Use accessories: 2 key remote control, 86 panel switch (general customers own).



Magnetic control - FB927 series, FB929 series, with wire control port products

Basic Function: Control the transparency and atomization of a set of smart glasses by door induction.

Control principle: Gate magnetic induction (spring switch), control the internal program control circuit, realize the switch.

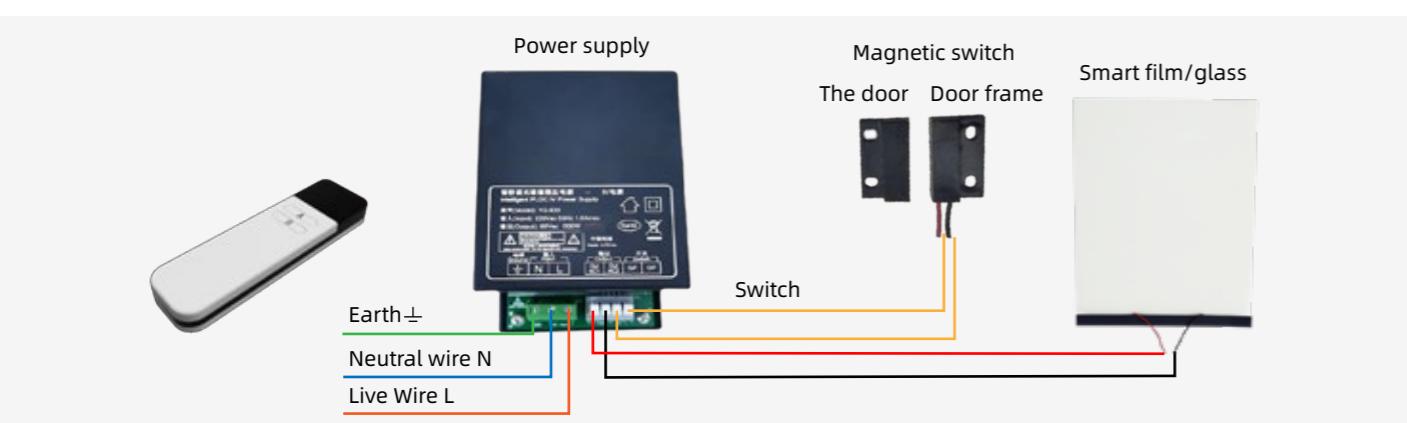
Note 1: only remote control without yellow wire and magnetic switch; Only magnetic control, remote control can be removed, remote control can be flipped on the opening and closing effect.

Note 2: Shielded cables are recommended for the orange cables in the diagram. Separate cable troughs are recommended.

Note 3: The wire switch port can not be connected to any live line, only dry contact, that is, the 86 panel is only connected to our power line control port, not connected to any other line.

Note 4: Do not operate the remote control within 3 seconds of power-on. The effective distance of the remote control is 10 meters.

Accessories to use: magnetic switch.



High voltage human body sensing - all series of power supplies

Basic function: Through human body induction control of a set of smart glass transparency and atomization.

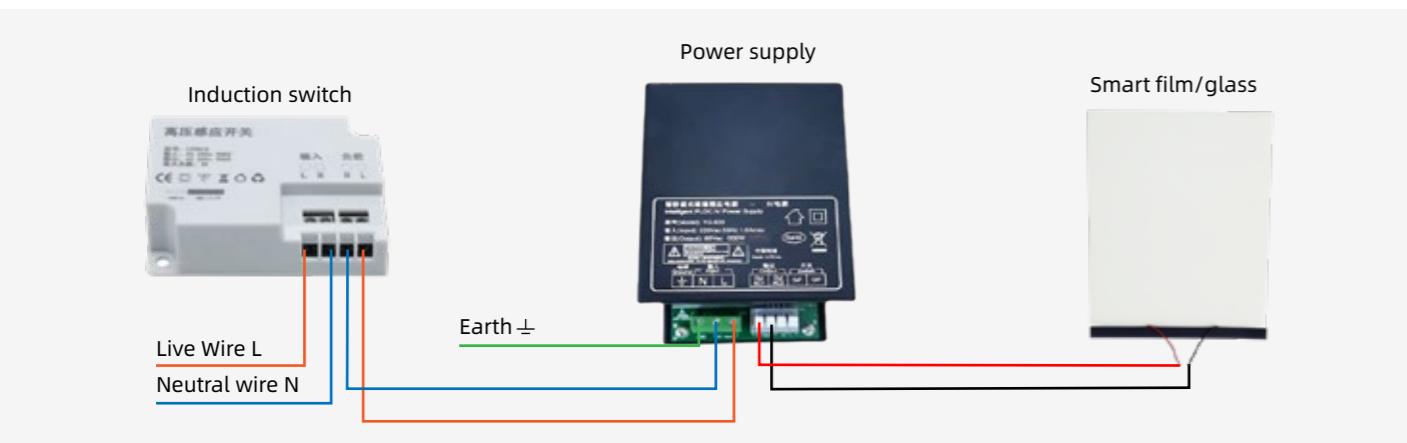
Control principle: Through the human body induction switch, on and off the input alternating current, control the transparency and atomization of dimming glass.

Note 1: The sensor picture in the wiring diagram is for reference only. The actual sensor shall prevail.

Note 2: The sensor can be infrared or radar, its principle is on and off live line, 4 ports for two into two out of the zero line inductor internal connection, 3 ports common zero line.

Note 3: The wire switch port can not be connected to any live line, only dry contact, that is, the 86 panel is only connected to our power line control port, not connected to any other line.

Use accessories: human body induction switch



Laser beam control - FB927 series, FB929 series

Basic function: To control the transparency and atomization of a set of smart glass by judging whether the laser beam is blocked by an object.

Control principle: The chip detects the received signal that blocks the laser harness.

Note 1: 5V red line has been drawn from the power supply. If the inductor needs external power supply, please consult the technical personnel of the manufacturer.

Note 2: In the case of without opposite beam, the power is atomized by default, and the opposite beam is transparent (customized logic can be reversed).

Note 3: Ensure that the black line pointed by the black arrow in the diagram is routed through a separate trough, and that the black line is not routed through a trough with strong interference lines.

Note 4: The picture of the switching switch in the wiring diagram is for reference only.

Accessories to use: laser beam switch.



High voltage WIFI control switch connection - all series of power supplies

Basic functions: Control the transparency and atomization of a group of smart glass through mobile phone APP.

Control principle: 2.4G WIFI, APP control, AP control and LAN remote control.

Note 1: Please read the pairing mode of WIFI controller carefully.

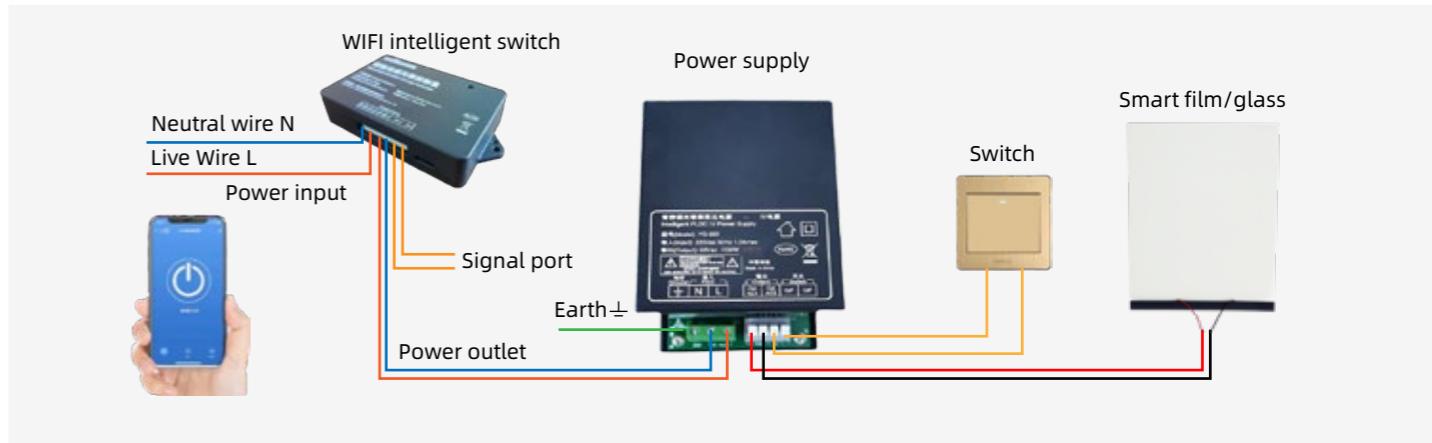
Note 2: The maximum on-load power of the WIFI switch is 500W, and the input and output of the WIFI switch box cannot be reversed.

Note 3: This smart switch can only be paired with 2.4G-WIFI signal for network access, 5G is unavailable.

Note 4: Separate cable troughs are recommended for the yellow cables in the diagram.

Note 5: The switch port cannot be connected to any live line, only to dry contacts.

Accessory: WIFI smart switch.



Low voltage WIFI control switch connection - all series of power supplies

Basic functions: Control the transparency and atomization of a group of smart glass through mobile phone APP.

Control principle: 2.4G WIFI, APP control, AP control and LAN remote control.

Note 1: Please read the pairing mode of WIFI controller carefully.

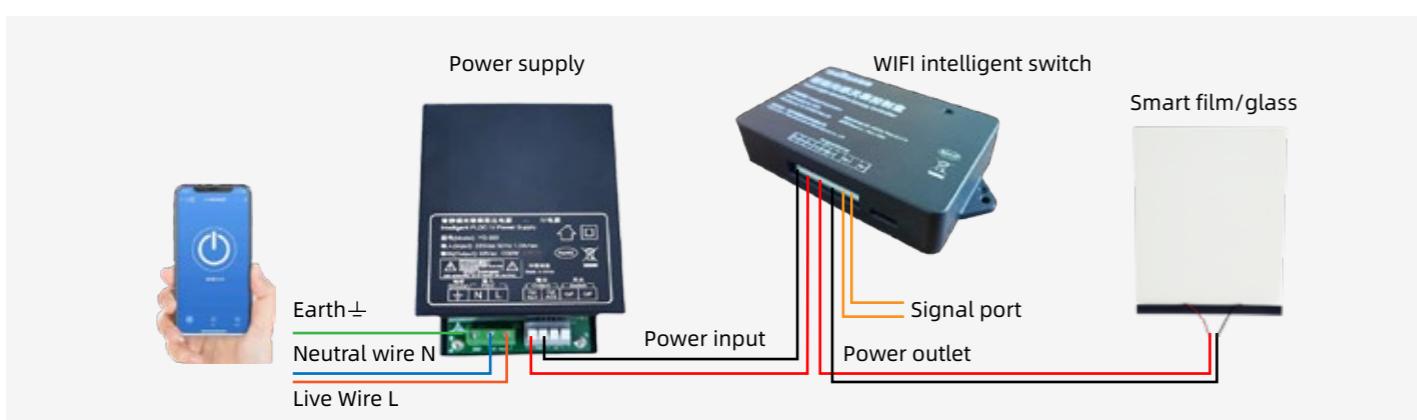
Note 2: After connection, the maximum on-load power of the WIFI switch is 100W, and the input and output of the WIFI switch box cannot be reversed.

Note 3: This smart switch can only be paired with 2.4G-WIFI signal for network access, 5G is unavailable.

Note 4: Separate cable troughs are recommended for the yellow cables in the diagram.

Note 5: The switch port cannot be connected to any live line, only to dry contacts.

Accessory: WIFI smart switch.



Sub-control - All series of power supplies

Basic functions: Through 1 remote control of multiple groups of smart glass transparency and atomization.

Control principle: By cutting off the power supply of each branch, to achieve multiple control, each button control one switch,

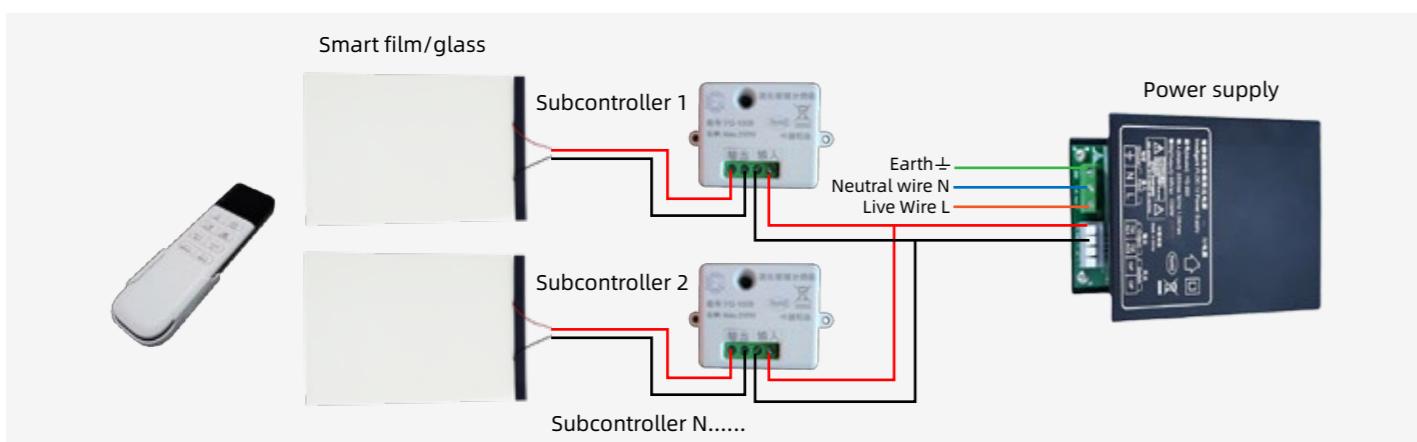
Set another master button, long press to open all, short press to close all.

Note 1: The multiway switch box has input and output ends, and the wiring sequence cannot be reversed.

Note 2: In order to ensure the sensitivity of the remote control, the location of the multiway switch box should be centrally placed in the remote control area.

Note 3: Do not connect the switch port on the power supply to any live line, only connect to dry contacts.

Use accessories: remote control (the number of keys is more than one road), several controller.



Master Control - All series of power supplies

Basic functions: Control the transparency and atomization of large smart glass with 1 remote control.

Control principle: The power supply is supplied through parallel power supply, each power supply controls an area, and the AC power supply of all power supplies is switched off as a whole

Note 1: The main control switch box has input and output ends, and the wiring sequence cannot be reversed.

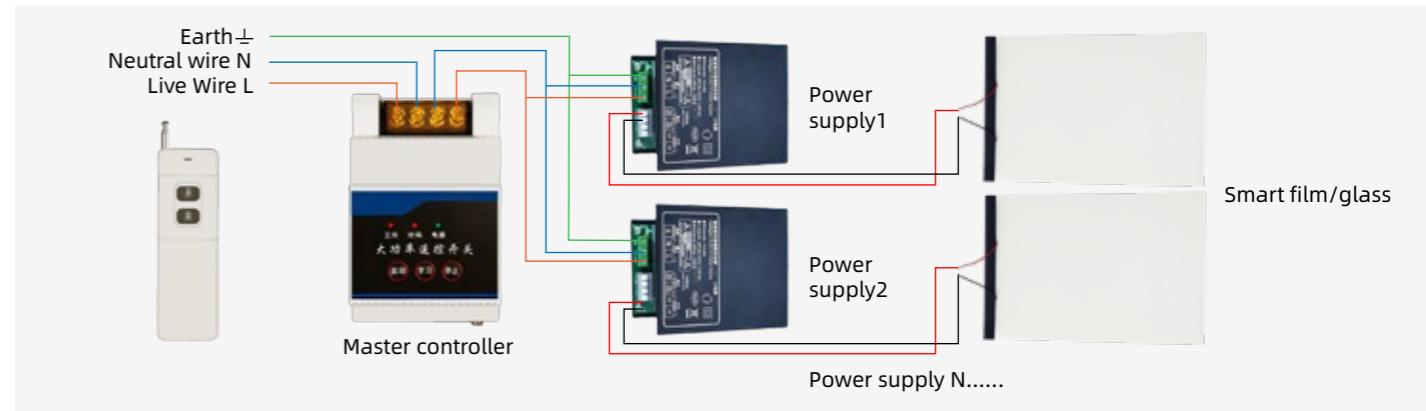
Note 2: In order to ensure the sensitivity of the remote control, the position of the main control switch box should be centrally placed in the controllable area.

Note 3: Do not connect the switch port on the power supply to any live line, only connect to dry contacts.

Note 4: The picture of the main control switch in the wiring diagram is for reference only.

Note 5: Its principle is on and off live line, 4 ports for two into two out of the zero line inductor internal connection, 3 ports common zero line.

Use accessories: remote control (the number of keys is more than one road), several controller.



9 way box - All series greater than 20W power supply

Basic Function: Control multi-channel smart glass through 9 way box, do dynamic or static effect.

Control principle: Each switch in the multiway box is controlled by the chip to realize the transparency and atomization of each smart glass.

Note 1: Please carefully check the definition of the wiring terminal on the nameplate of the control box. Don't miswire.

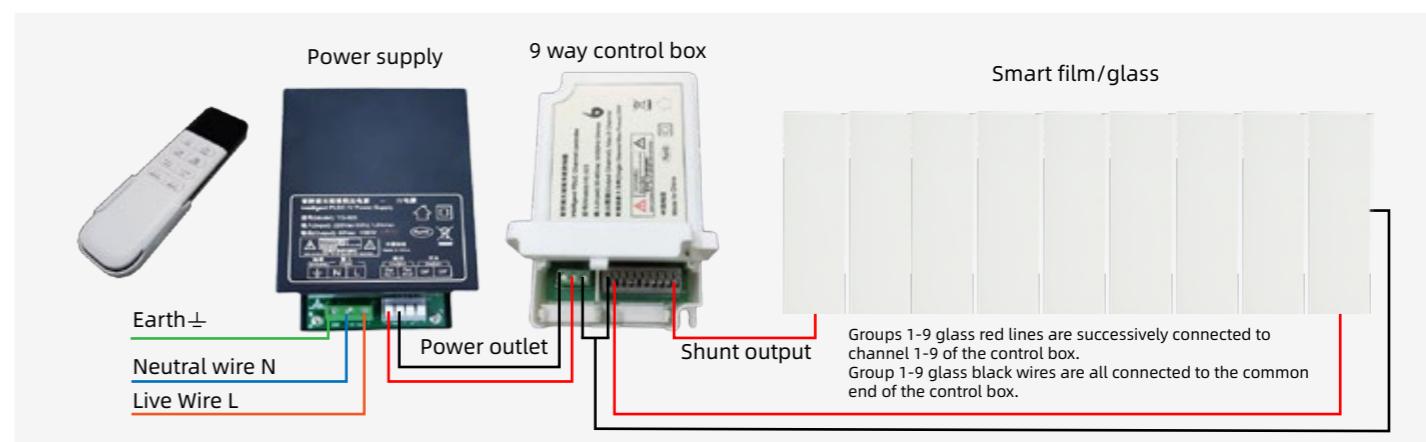
Note 2: Each channel with smart glass should be less than 8 square.

Note 3: It is recommended to reserve a power off switch for the zero-live wire, but it cannot be used for long-term control.

Note 4: 9 way box can be connected to 1-9 way, not limited to all 9 way, but please refer to evaluate the actual effect;

Note 5: The switch port cannot be connected to any line.

Accessories: 9 way box, 8-button remote control.



64 way louver controller - All series greater than 20W power supply

Basic Features: Control multi-channel smart glass through a 30-way or 64-way box to do dynamic or static effects.

Control principle: Each switch in the multiway box is controlled by the chip to realize the transparency and atomization of each smart glass.

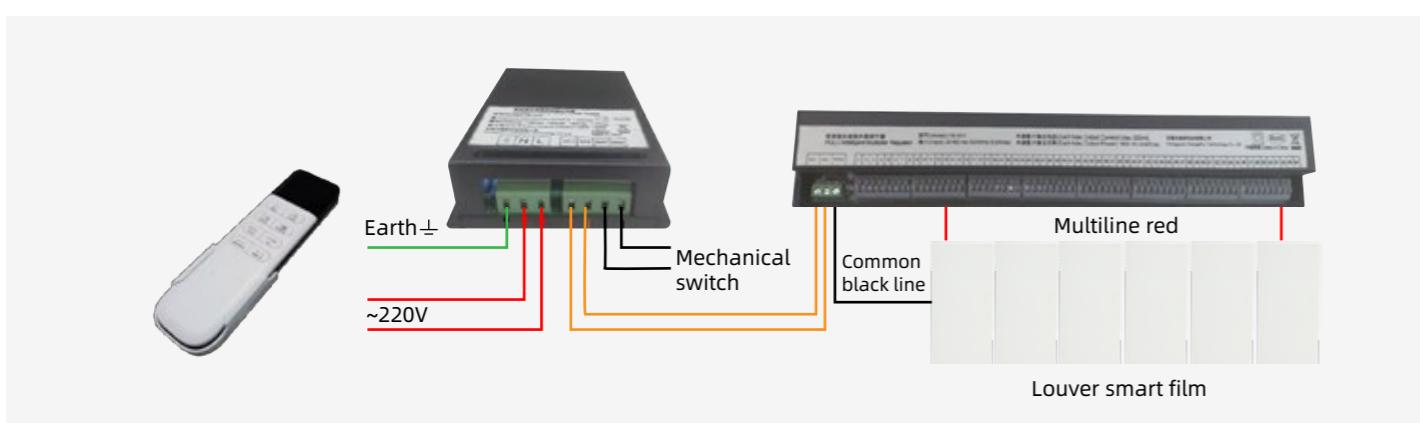
Note 1: Please carefully check the definition of the wiring terminal on the nameplate of the control box.

Note 2: The total power is 200W, and each channel carries glass with a maximum area of 1 square meter.

Note 3: It is recommended to reserve a power off switch for the zero-live wire, but it cannot be used for long-term control.

Note 4: Mechanical switch (O/F) port can not be connected to any live line, otherwise it will burn the motherboard.

Use accessories: 64 shutter controller, 8 button remote control.



Smart glass power supply - FB410 series

Basic Functions: Control transparency, atomization, flicker (adjustable speed), gradient (adjustable speed), dynamic speed of a set of smart glass by remote control and wall switch.

Control principle: wireless control, wall switch, control internal program control circuit, switch, remote control and wall open can realize double control.

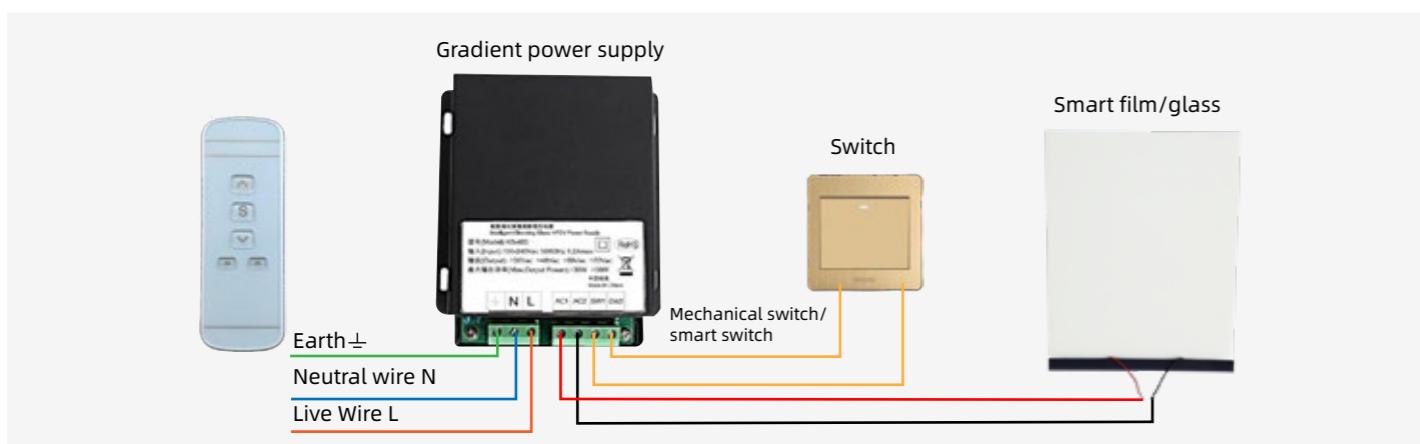
Note 1: only remote control can not go yellow line and wall switch; Only wire control, remote control can be removed.

Note 2: Shielded cables are recommended for the orange cables in the diagram. Separate cable troughs are recommended.

Note 3: The wire switch port can not be connected to any live line, only dry contact, that is, the 86 panel is only connected to our power line control port, not connected to any other line.

Note 4: Do not operate the remote control within 3 seconds of power-on. The effective distance of the remote control is 10 meters.

Use accessories: 5 button remote control, 86 panel switch (general customers own).



Gradient smart film box - FB929 series

Basic functions: Adjustable glass switch, flicker (adjustable speed), transparency, automatic gradient (adjustable speed) by expanding gradient smart film box based on FB-929 power supply.

Control principle: Through PWM voltage chopper technology, adjust the voltage amplitude applied to the glass.

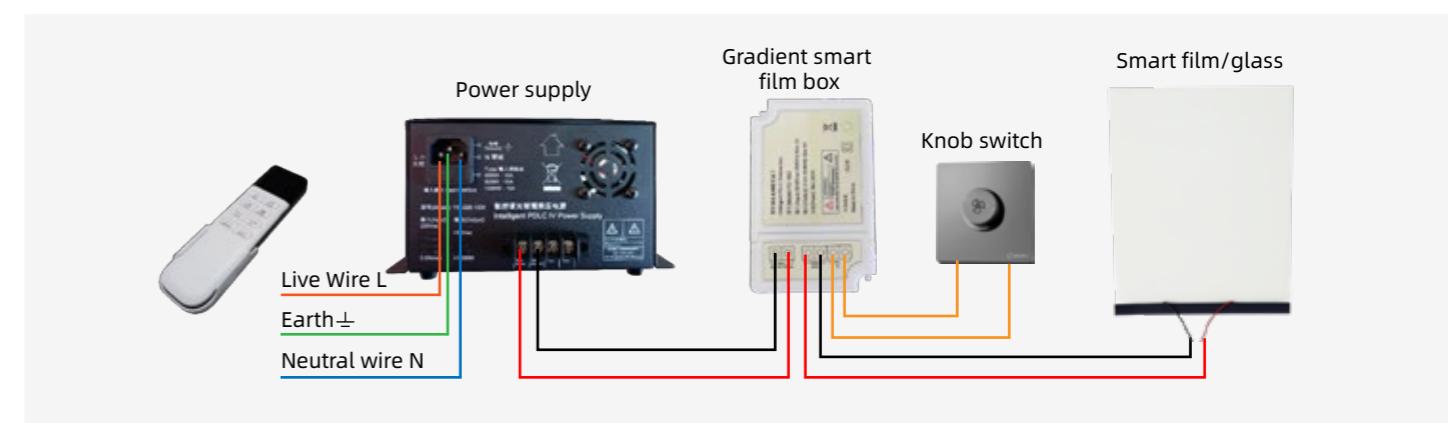
Note 1: The power supply should be wired separately from the communication products.

Note 2: only remote control, no knob switch; Only knob switch, but no remote control.

Note 3: The line between the gradient smart film box and the smart glass should not be too long.

Note 4: The knob switch port can not be connected to any live line, otherwise it will burn the motherboard.

Accessories to use: Gradient smart film box, 8-button remote, knob switch.



Wifi control gradient smart film -- FB929 series + Gradient smart film box +WIFI smart switch

Basic functions: The gradual change box can be expanded on the basis of the FB-929 power supply, and then connected with the wire-controlled box signal through the WIFI intelligent switch

Control and adjust the glass switch, flicker (adjustable speed), transparency, automatic gradient (adjustable speed).

Control principle: Adjust the voltage amplitude applied to the glass through PWM voltage chopper technology, and control the gradient smart film box signal through its own protocol.

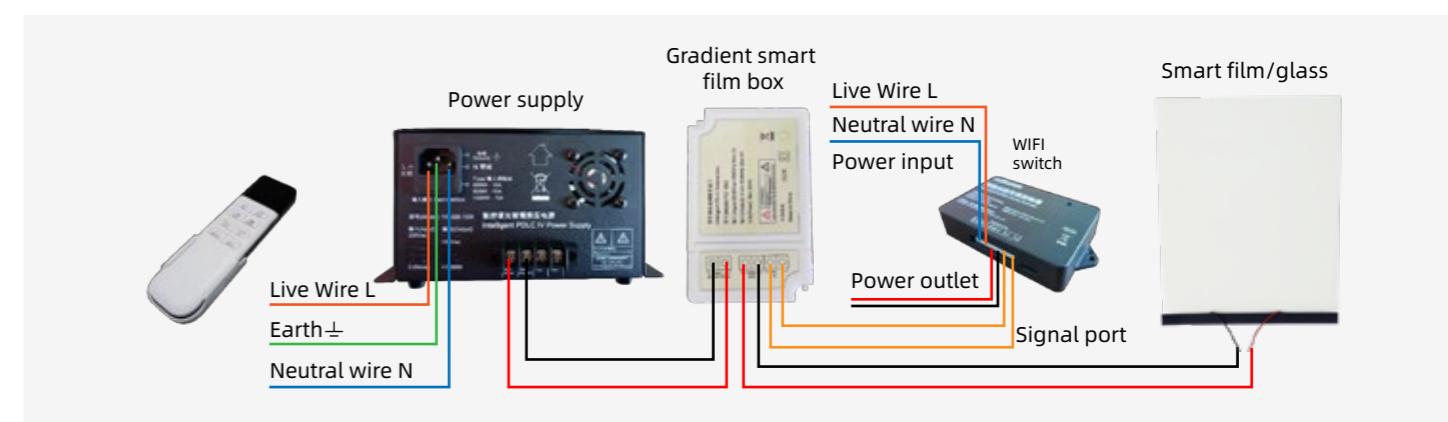
Note 1: The power supply should be wired separately from the communication products.

Note 2: WIFI smart switch has priority, WIFI switch will reduce the transparency, the remote control can not be adjusted higher.

Note 3: The line between the gradient smart film box and the smart glass should not be too long.

Note 4: The signal port of the WIFI switch is connected to the gradient smart film box. Do not connect the output outlet of the WIFI switch to the gradient smart film box, otherwise the product will be burned.

Accessories: Gradient smart film box, 8-button remote control, WIFI smart switch, FB-929 series power supply.



Gradient smart film box three state connection - with FB929 series

Basic functions: Through smart home control smart glass, transparent - semi-transparent - atomization, three state switch

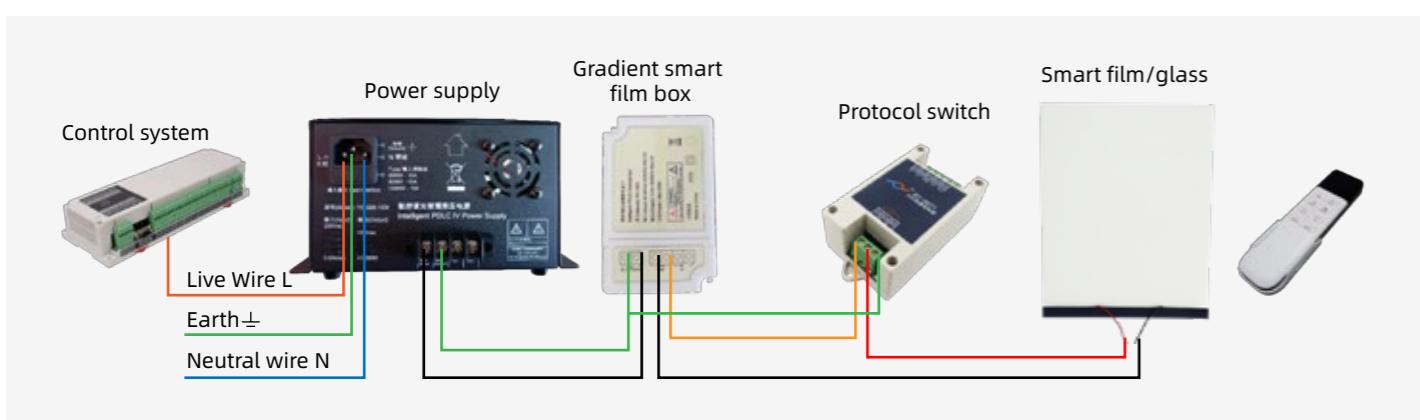
Control principle: transparent through the power supply, semi-transparent through the gradient smart film box, atomization through the system power off.

Note 1: The power supply should be wired separately from the communication products.

Note 2: The protocol switch should match the smart home control system.

Note 3: The line between the gradient smart film box and the smart glass should not be too long.

Use accessories: Gradient smart film box, 8 button remote control, control system, protocol switch.



Magnetic control double control connection - with wire control port series

Basic functions: Applied to bathroom partition, toilet and bathroom any related door, can control the middle partition atomization.

Control principle: Through the door magnetic control, partition follow atomization.

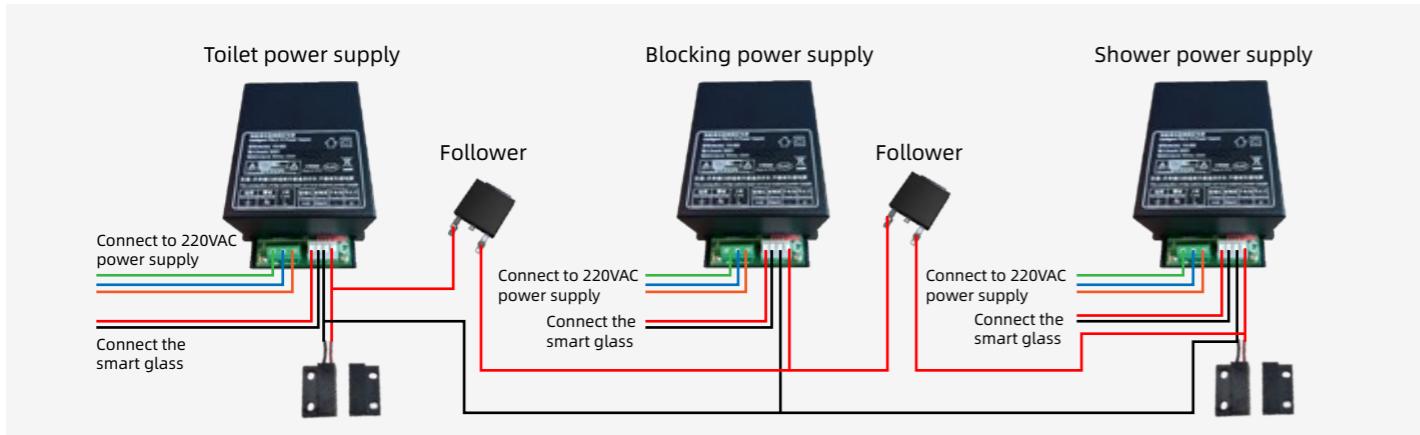
Note 1: Note that the picture of the follower in the wiring diagram is for reference only. The specific object shall prevail. The follower has the direction.

Note 2: This application is only for the bathroom partition scene. If there are other similar scenes, it is not recommended to use directly. Please contact the manufacturer for details.

Note 3: Magnetic switch, magnet installed on the fixed door frame, spring switch installed on the door hinge.

Note 4: Please confirm the cable carefully during the wiring process to avoid burning. If there is any problem, contact the technical support of the manufacturer.

Accessories: Power supply 3, magnetic switch 2, follower 2.



Remote control/low voltage wire control- FB927 Plastic-case series

Basic Function: Control the transparency and atomization of a set of smart glasses by remote control and wall switch.

Control principle: wireless control, wall switch, control internal program control circuit, switch, remote control and wall open can realize double control.

Note 1: only remote control is not connected to the wall switch control interface; Only wire control, remote control can be removed.

Note 2: The red and black cables shown on the control port in the diagram are shielded cables and separate cable trays are recommended.

Note 3: The wire switch port can not be connected to any live line, only dry contact, that is, the 86 panel is only connected to our power line control port, not connected to any other line.

Note 4: Do not operate the remote control within 3 seconds of power-on. The effective distance of the remote control is 10 meters.

Use accessories: 2 key remote control, 86 panel switch (general customers own).

