

c UL US
LISTED
ELECTRIFIED GLAZING
E538104



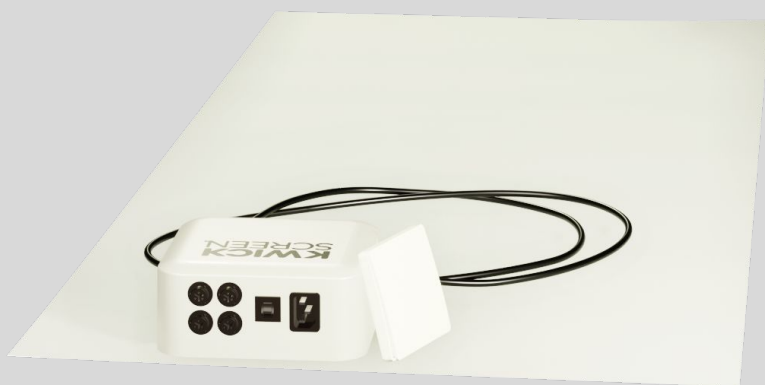
KwickSwitch

RETROFITTED SWITCHABLE FILM

V1.2

POWERED BY
KWICKSCREEN
MAKING SPACES

KwickSwitch, is the solution for flexible privacy on glass with a retrofit film-based installation. It's certified for electrical and fire safety, offering a turnkey solution for your healthcare environment.



- Provides instant privacy with the flick of a switch.
- Retrofittable to any smooth glass pane.
- Electrical connections prewired.
- Wireless, battery-free & mountable control switch.
- Individually fused control module that can support up to 4 separate areas.
- Plug and play connections for easy install.
- Low power usage.
- Film is made to measure.
- ASTM E84 Class A (EN13501-1 Euroclass A) fire performance and medical grade power supply.
- Entire system is UL-certified.
- 3-year warranty.
- Heat-free install.



Intelligent and Sleek Design

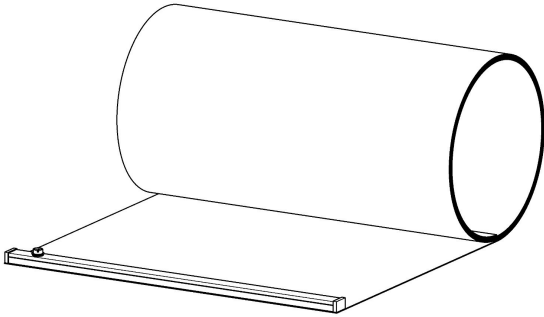
Introducing KwickSwitch, our solution designed to turn any glass panel into a switchable opacity pane. It gives you the flexibility to switch from clear to opaque for instant privacy.

KwickSwitch can be easily retrofitted with a simple installation process. It is the only retrofit UL-certified product for electrified glazing.

The KwickSwitch system is plug and play requiring no specialist electrical skills. We supply prefabricated panels, and wireless battery-free switches which allows for a completely flexible installation.

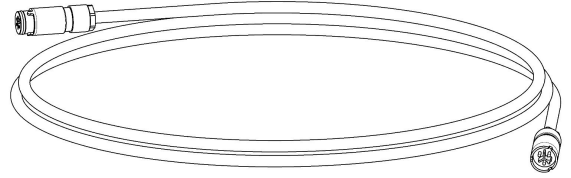


System Components



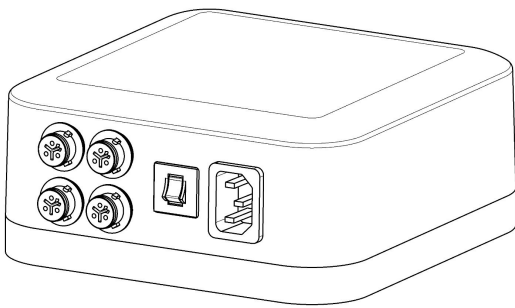
Switchable Panel

Self adhesive with pre-installed power bar.



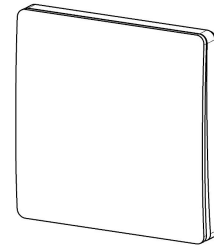
Connector Cable

Push fit cable available in various sizes.



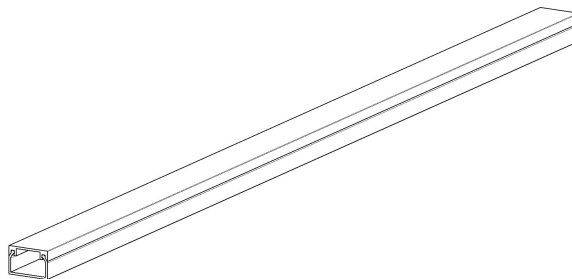
Control Module

Supports up to 100 sq ft



Switch

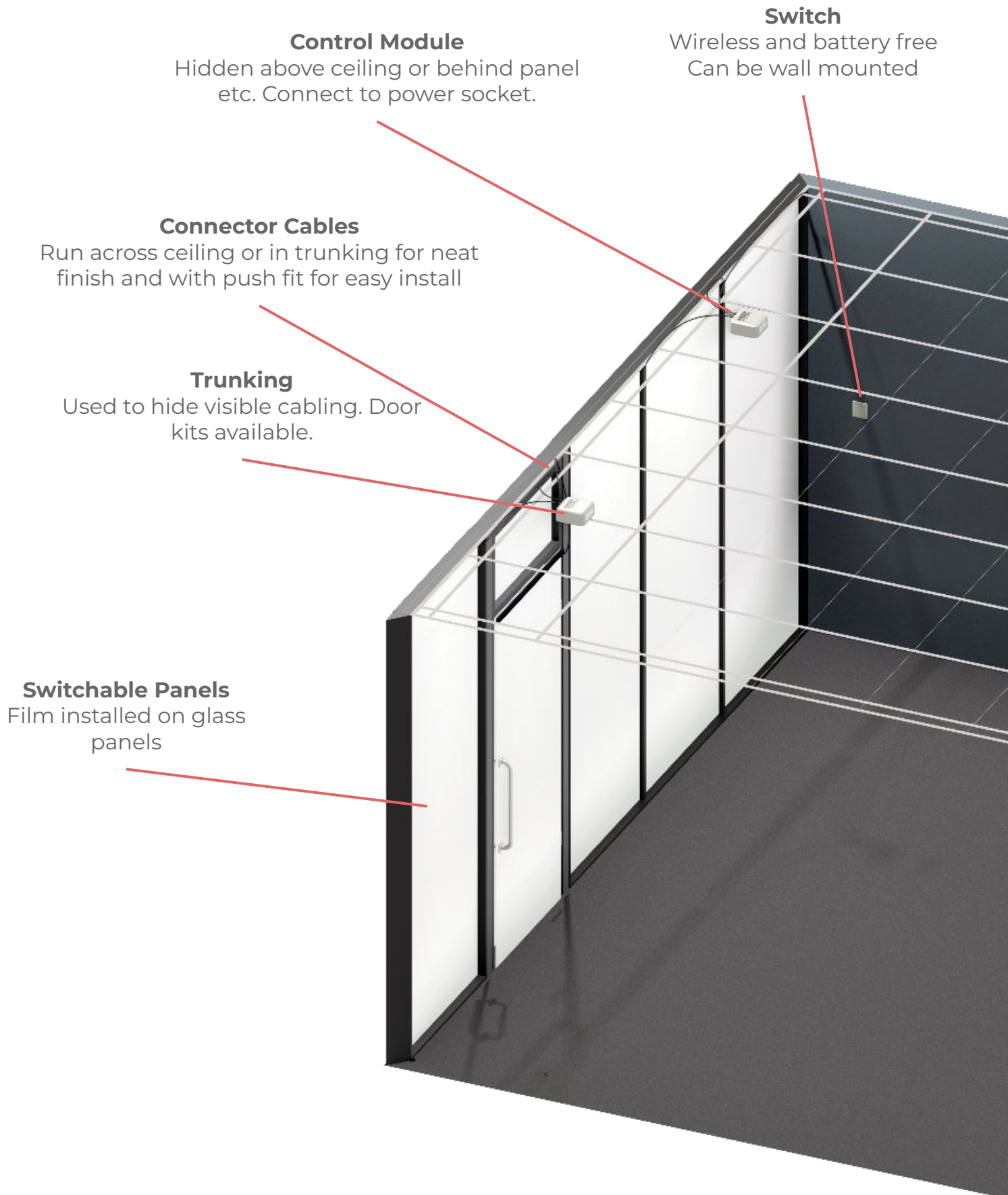
Wireless and battery-free.
Can be wall mounted.



Trunking

Used for external cable routing and dressing.

General Layout



Control Module

Hidden above ceiling or behind panel etc. Connect to power socket.

Switch

Wireless and battery free
Can be wall mounted

Connector Cables

Run across ceiling or in trunking for neat finish and with push fit for easy install

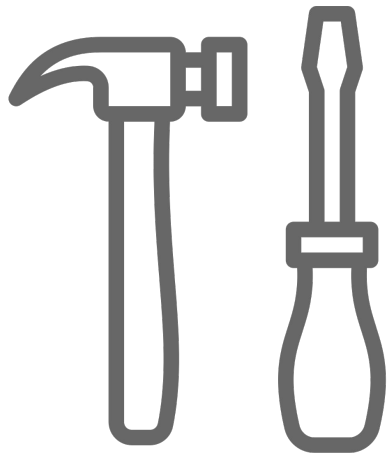
Trunking

Used to hide visible cabling. Door kits available.

Switchable Panels

Film installed on glass panels

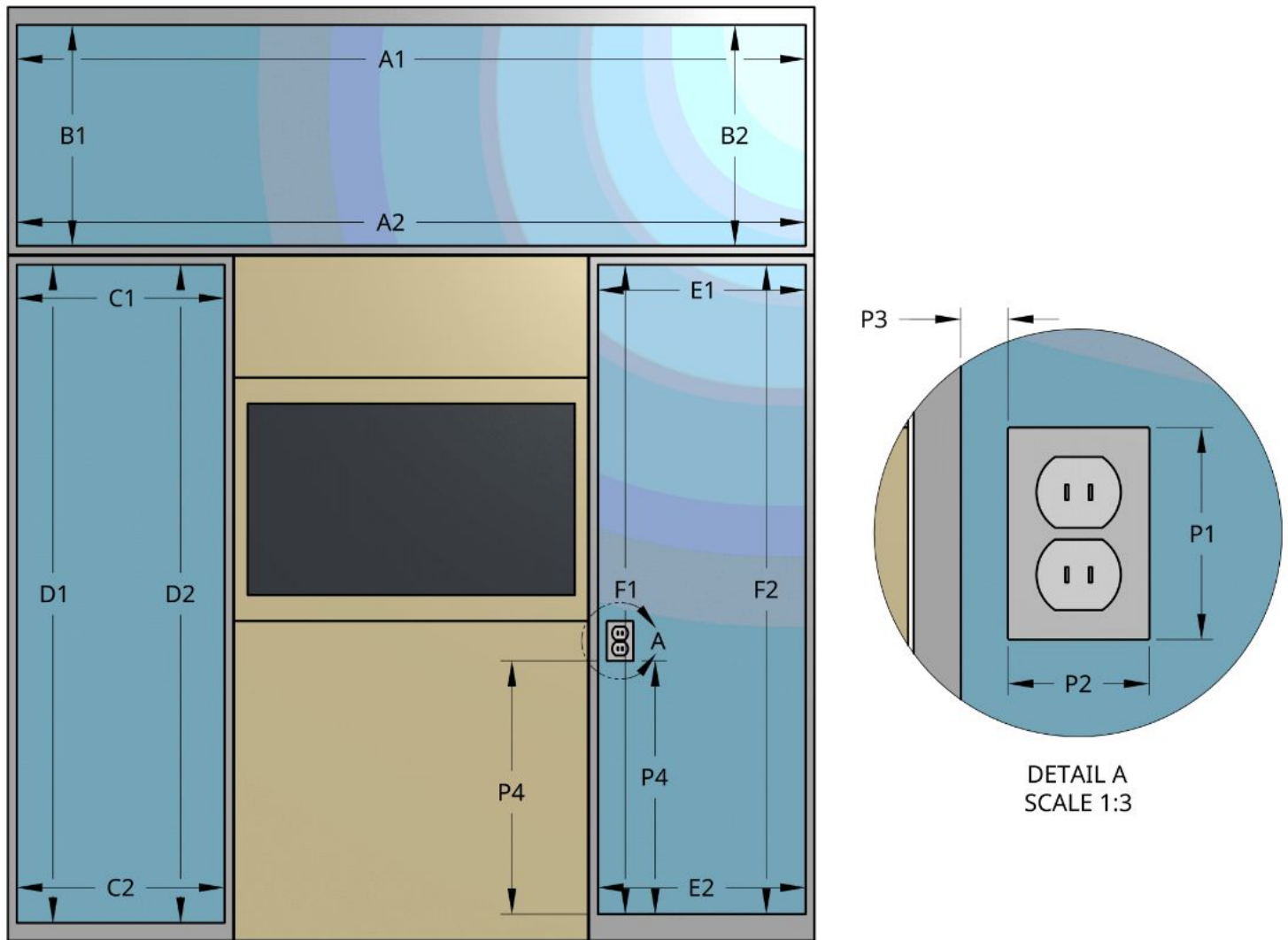
How to order



DIY

We ask for dimensions showing the panel sizes required and the cable routing. From these we will generate the drawings for you to sign off before we put the parts into production. The kit will need to be installed by a competent installation team. Details on how to measure your panels can be found on the next page.

Measuring Panels



When measuring panels please provide dimensions inside the frame and gasket. This is the visible glass surface where the film is applied. We'll adjust the size to allow for hidden tolerances during installation. For each axis, provide 2 measurements, as shown above, to check squareness. Also, indicate any elements the film should avoid, like hinges or power units.

Cable routing, including dimensions, should also be sketched on to help us understand the length requirements.

Technical Specs

Cleaning Guidance

We advise the KwickSwitch Film should be cleaned with a soft, non-abrasive cloth to avoid scratching the protective covering. Any general disinfection agent will be suitable for cleaning and will not damage the polyester surface.

Power Supply Unit

Type: IEC Protection Class II

Input voltage: 110 VAC

Input current: 6A

Output voltage: 45 VAC

Output current rating (max): 1A

Frequency: 50 - 60Hz

Output capacity: 50VA

Operating (controlling) frequency: 433MHz

Enclosure material: PC (fire) UL94 V-0

Size 6.3x 6.3x 2.8 in

Weight 3.4lb

Switch

Switch Type: Push button switch

Number of keys: 1 key

Power mode: Kinetic energy self-power (no battery)

Operational life: 200,000 switchings

Operating frequency: 433MHz

IP Rating: IP67

Control distance*: 260ft (outdoor) 82ft (indoor)

Control Method: Pairing with Controller

Installation: Permanently fixed or placed on wall
using self adhesive 3M tape (supplied)

Working Temperature: 14°F ~ 104°F

Warranty: 3 Years

Size: 3.4x 3.4x 0.7 in

Technical Specs - Contd.

Single power bar

Input voltage: 45 VAC

Output voltage (to film): 45 VAC

Output current rating (max): 1A

Output capacity: 50VA

Size: 0.63x1 in x (custom length, min 3in, max 118in)

Material: UPVC (Polyvinyl Chloride – unplasticised)

Double power bar

Input voltage: 45 VAC

Output voltage (to film): 45 VAC

Output voltage (to power bar outlet): 45 VAC

Output current rating (max): 1A

Output capacity: 50VA

Size: 0.63x1 in x (custom length, min 3in, max 118in)

Material: UPVC (Polyvinyl Chloride – unplasticised)

Film

Fire performance: ASTM E84 Class A

European Fire Safety Standard EN 13501-1 Class A, s1, d0

Technical Specs - Contd.

Item		Mode	Specification	Testing Standard
Optical parameters	Visible Light Transmittance	ON	>88%	GB/T 2410-2008 spectrophotometer
		OFF	>60%	
	Parallel Light Transmittance	ON	>66%	GB5317.2-2002
		OFF	<1.5%	
	Haze	ON	<3%	GB/T 2410-2008 spectrophotometer
		OFF	>92%	
	Visual Angle	ON	>160°	Visual
	Blocking of UV light	ON	>99%	
		OFF	>99%	
	Blocking of IR light	ON	>30%	
OFF		>90%		
Electrical Parameter	Working Voltage	ON	45V AC	Multimeter
	Saturation Voltage	ON	<36V	
	Response Time	OFF-ON	<20ms	Liquid Crystal Multi-parameter Electrical Measuring Instruments
		ON-OFF	<10ms	
	Power Consumption	ON	<0.5W/ft ²	Multi-parameter Electrical Measuring Instruments
Mechanical Parameter	Thickness	16 mil		
	Adhesion	1135 oz/in ²		
Environmental Parameter	Working Temperature	-4oF - 158°F		Constant Temperature and Humidity Testing Machine
	Storage Temperature	-4oF - 176°F		
	Service Life	(ON)>10 years		GB18910.5-2008
	Switch Frequency	>80 million times		

PRIVACY

At the flick of a switch.



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