

GLASS WITH  
PRIVA-S

# USES AND APPLICATIONS

**DATA SHEET** / Quebec

Version 1.0

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**MULTIVER**  
Cutting edge of the glass industry

# The PRIVA-S

## PRIVACY

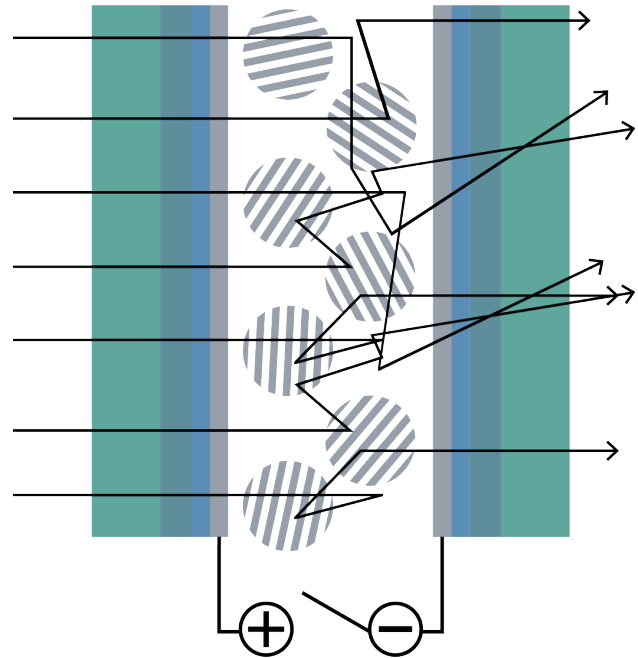
Priva-S is **smart glass** that provides instant privacy at the flick of a switch. In each Priva-S glass pane, a film is laminated between two or more glass sheets. Each pane is **custom manufactured**. Just a slight electric current is enough to make the glass go from transparent to opaque and vice versa, a technology that offers all the peace and tranquillity that you need. This product is easy to install and **offers a wide range of possibilities for any type of project or setting. Various options are available:** the colour and curving of the glass as well as the possibility to incorporate Priva-S in double glazing.

# OPERATION AND COMPONENTS

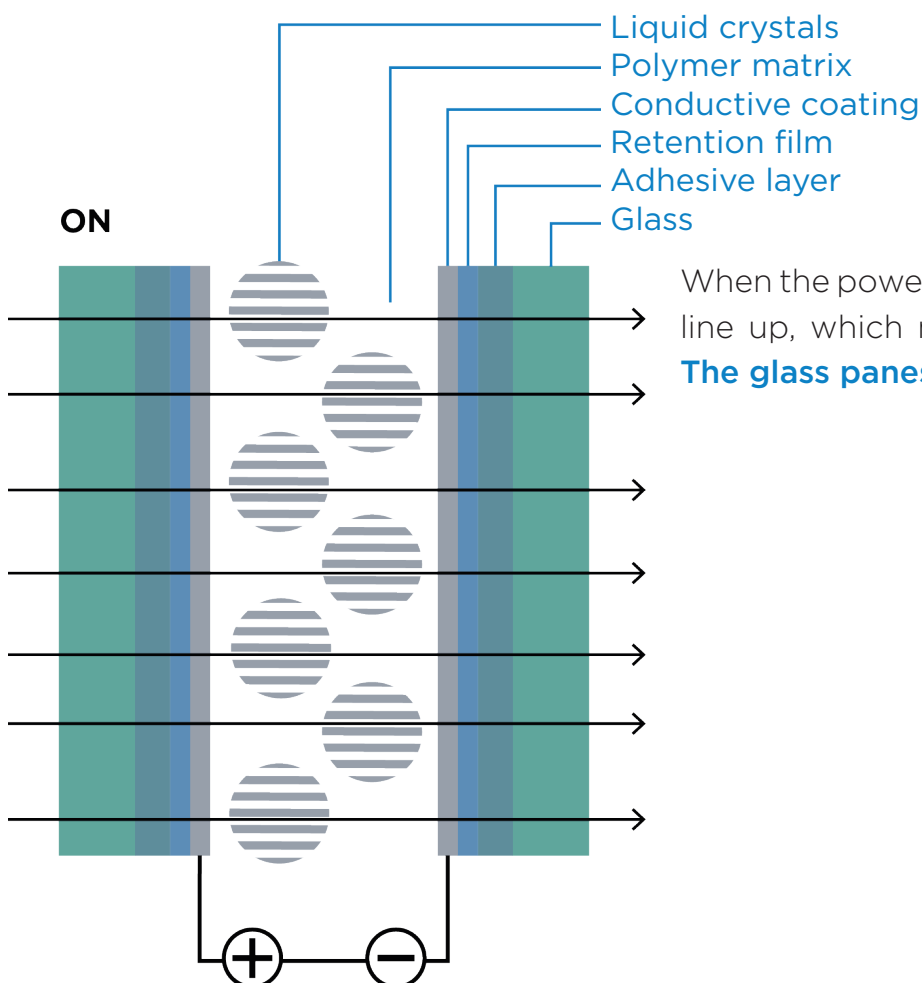
When the power supply is off, the molecules that make up the liquid crystals between the glass sheets are randomly oriented, scattering light while offering great privacy.

**The glass panes are therefore translucent.**

OFF



ON

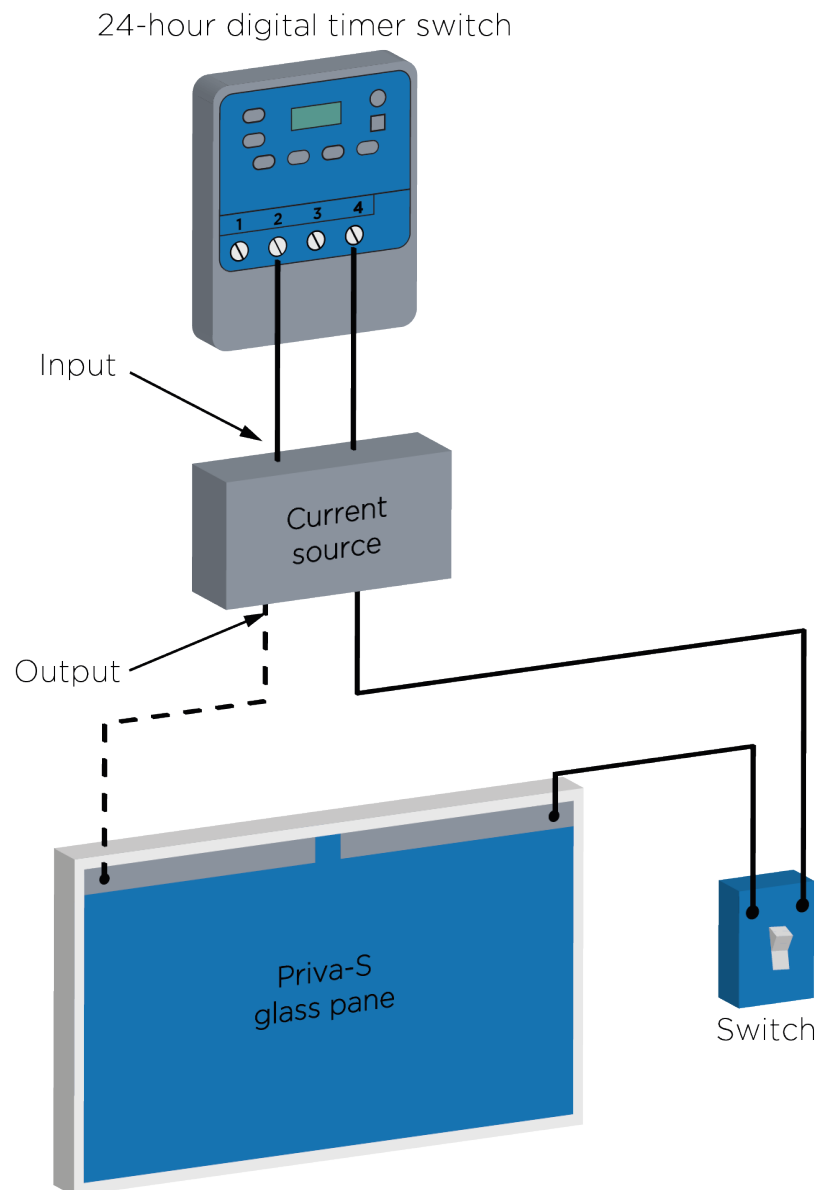


When the power supply is on, the molecules line up, which makes the glass look clear.

**The glass panes are now transparent.**

## OPERATION AND COMPONENTS (CONT.)

### Example of a pane with single wiring



# USES

Priva-S panes can be used in a number of applications, such as :

## Commercial

- ▶ Windows
- ▶ Conference room walls/office partitions
- ▶ Skylights
- ▶ Sliding and folding doors



## Healthcare

- ▶ Movable partitions
- ▶ Fire doors
- ▶ X-Ray protection screens
- ▶ Bathrooms and bedrooms





## USES (CONT.)

### Hospitality

- ▶ Doors
- ▶ Balconies
- ▶ Windows
- ▶ Bathrooms and bedrooms
- ▶ Balustrades




### Residential

- ▶ Windows
- ▶ Bathrooms and bedrooms
- ▶ Balconies
- ▶ Balustrades
- ▶ Doors



# BENEFITS

- ▶ High contrast for use as a projection screen
  - ▶ Instant and precise privacy control
  - ▶ UV resistance
  - ▶ Efficient use of space in the built environment
  - ▶ Improved comfort of employees in high-density office buildings
  - ▶ UV protection blocking 99.5 % of harmful UV rays
  - ▶ Low maintenance; very hygienic and eco-friendly product
  - ▶ Stable colour for the entire lifespan of the unit
  - ▶ Esthetically pleasing product
- 
- ▶ Highly durable and resistant technology without any moving parts that can become worn or damaged
  - ▶ Exceptional optical qualities that reduce glare and eyestrain
  - ▶ Large sizes and various shapes available
  - ▶ Long lifespan—survived over 1,000,000 cycles during testing
  - ▶ Low operating voltage
  - ▶ Enhanced corporate image
  - ▶ Reducing fading of carpets and furniture as well as protecting artwork

## CONFIGURATIONS AVAILABLE

- ▶ Minimum size : 7.87 inches X 11.8 inches (200 mm X 300 mm)
- ▶ Maximum size : 62.9 inches X 143.7 inches (1,600 mm X 3,650 mm)
- ▶ Thickness : 8 mm, 10 mm, 12 mm and more
- ▶ Colours available : blue, bronze, green, clear, grey and more
- ▶ Glass types : Optiwhite, fire resistant, clear float, mirror, tinted, X-Ray, tempered
- ▶ Processing and shaping : double glazed, polished edges, drilled holes, curved

## CONTROLS

- ▶ Remote control
- ▶ Wall switch
- ▶ Timer
- ▶ Light sensor





This document gives a general description of the product. For further information, please contact an authorized supplier of Multiver products. The use of any of the products mentioned herein is the sole responsibility of the users. Multiver assumes no responsibility for the use of its products.

