

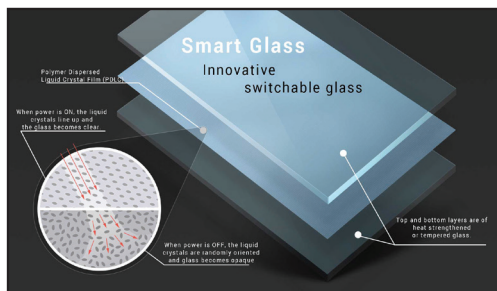


## BENEFITS

- Convert existing glass into smart glass
- Deliver Instant Privacy Control
- Provide efficient and intelligent use of spaces
- Improve the view and natural light
- Reduce heating and cooling by up to 40%
- Has the right setting for any occasions
- Increase Home Value
- Create WOW effect for any home or business!

## CONTROL SYSTEMS

- Home automation integration
- IR Remote Control
- Mobile phone
- Switch
- Timer
- Door locks
- And much more!



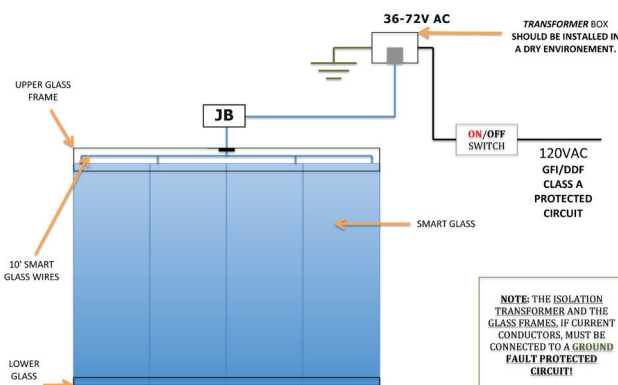
## FUNCTION: METHOD OF ACTION

A simple ON – OFF mode switches the film from being clear (transparent) to frost (opaque). In its frosted state the film acts as an electronic blind providing privacy and security for any glass, window or partition.

## PRINCIPLE

When the power is off, the liquid crystal molecules are randomly oriented that scatters incident light and Smart Glass becomes opaque. When electricity is applied, the liquid crystal molecules line up, and the Smart Glass become clear

## CONNECTION DIAGRAM



## PHYSICAL CHARACTERISTICS:

- Peeling Strength: 120 g/in
- Response time: 0.1sec sec
- Temperature operation: -20~100 C
- Storage: -30 ~60 C
- Standard width: 59" (1500mm)
- Length: 150" (3810mm)

Larger custom sizes available.

## POWER:

- Power - 36-60 VAC
- Frequency - 50/60Hz
- Current - 0.1 amperes per 10 sqft
- Power - 5 watts per 10 sqft

## OPTICAL AND SOUND

	ON	OFF
Light transmittance	95%	67%
Light reflectance	14%	18%
Haze	4%	97%
UV block	99%	99%
IR block	12%	73%

HAVE MORE QUESTIONS?

www.smartglasscountry.com