

SPD Control Systems Corporation

The Systems Behind the Glass™

Revelation - SPD Demonstration Unit

Revelation is an electronic controller designed to demonstrate the capabilities of SPD-Smart window glass or plastic, changing it smoothly from optically clear to dark and back under direct control of electricity. The unit is designed for Research Frontier Licensees to provide operational samples of SPD-Smart glass to architectural firms, vehicle designers, other manufacturers and interested parties, who could specify or integrate this material into their designs.



The unit is capable of operating one or two pieces of SPD-Smart glass or plastic. You can package this device with a sample of SPD-film from any film licensee, perhaps a CD, DVD or video, and your product literature, to make a nice introductory package for potential customers. The unit provides a demonstration mode that will impressively cycle two pieces of SPD-film through different phases of a preset sequence of transitions. It also allows for a manual operation of the film from buttons on the front panel or via a remote control device that comes with the unit. In the Photocell mode, the film may be changed to any level depending upon the amount of light falling on the cell.

Front Panel LED Indicators

- | | |
|------------------------|--|
| POWER: | Indicates that the unit is powered on. |
| LOW BATTERY: | Indicates that the batteries have run down too low and must be replaced before the unit will continue to operate the SPD film. If the battery does not have sufficient power to show the full and proper operation of SPD film, this LED will light and the film will remain dark. |
| DEMO Mode: | Indicates the unit will cycle through a pre-stored sequence of slow and rapid clear to dark to clear cycles, followed by some random changes in the opaqueness. Two separate pieces of film may be connected and the beating of one setting of the film against the other helps to optical properties to really stand out. |
| PHOTOCELL Mode: | Indicates the film will darken as more light is shined on the photocell mounted on the front panel. If the unit is driving two pieces of glass, they will act as a single piece of material in this mode. |
| REMOTE Mode: | Indicates the +/- buttons on the Infrared-based remote control device (delivered with the unit) will darken and lighten the film. |

MANUAL Mode: Indicates the +/- button on the front panel of the unit will darken and lighten the film.

CUSTOM Mode: Indicates that the box is operating in a special manner as defined by the customer ordering this custom engineered demonstration or testing mode.

Film Size (Max.)

Film Size (Max.) 3 sq. ft per channel

Buttons

POWER: Turns the unit on and off.

MODE: Changes the operating mode of the unit. The MODE LEDs will move to the next mode of operation to indicate which mode is now operational.

+/- darkens or lightens the SPD film when in manual mode.

Connections

Connection points to wire two panels of SPD-film to the controller are located in the rear of the unit.

Power Requirements

Four AA Batteries

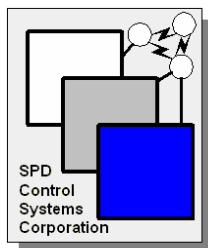
Dimensions

5.375" L x 4" W x 1.5" H

Weight

1.0 lbs

NOTE: Specifications and appearance subject to change.



SPD Control Systems Corporation
25 Health Sciences Drive – Suite 212B
Stony Brook, NY 11720
(631) 766-8500 (ofc)
(631) 776-8501 (fax)

www.spdControlSystems.com