



COMFORTDRIVE®

Automated Self-Driving Panel System

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AUTOMATED SELF-DRIVING PANEL SYSTEM

Convenience and automation are two highly desired features of movable walls. The ability to simply press a button that automatically divides your space into a variety of preprogrammed layouts correctly and efficiently every time is what users desire in today's hectic world.

The ComfortDrive® Automated Self-Driving Panel System from Modernfold does just that – providing outstanding convenience and flexible space utilization with the beauty and daylighting benefits of Compactline® glass panels, and now the acoustically-rated Acousti-Clear® glass panels.

With ComfortDrive®, glass panels can be moved to a variety of individually preprogrammed positions under fully automatic control. The control interface takes the form of a user-friendly touchpad, which can be programmed to maximize your space in a variety of applications.

Automation and safety go hand-in-hand. UL® Certification ensures that a high level of safety is utilized by an integrated monitoring system that stops the panel movement the moment contact is made with an obstacle.



COMFORTDRIVE®

BENEFITS AT A GLANCE

- Fully automatic operation at the push of a button
- Exceptional convenience with dynamic opening and closing speeds of up to 30 ft. per minute
- Easy operation with user-friendly touchpad
- Aesthetically elegant with slender track of just 3.875" in width
- High level of safety ensured by an integrated monitoring system that stops and reverses the panel on contact with an obstacle
- UL® 325 safety-tested and certified
- Smart Control System: trolleys communicate with the control box while on the move to communicate each panel's specific location
- Panels individually programmable for custom configurations
- Microprocessor control (bus system) for activation and monitoring of the operational sequence and functions
- Last panel equipped with an electromechanical lock to prevent unauthorized operation
- In the event of a power failure, panels may be manually operated
- Up to 30 panels per partition system
- Single panel weights up to 550 lbs.
- Acoustically rated glass wall system up to 51 STC with Acousti-Clear® panels
- Segmented and curved track layouts also possible with Compactline® panels



FLEXIBLE SPACE MANAGEMENT AT THE PUSH OF A BUTTON

ComfortDrive® can be controlled with just one finger by operating a central touchpad. Aside from the standard functions "Open," "Close," and "Stop", a number of special positioning patterns can be individually programmed and selected to provide a convenient set-up for a variety of space division needs.



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GLASS OPTIONS

ComfortDrive® automated space solutions can be applied on two distinct glass options from Modernfold: Acousti-Clear® or Compactline® glass panel systems. Both systems contribute to unique and welcoming environments applied in corporate, education, retail, and entertainment settings. For your next project, explore the possibilities of automation with clear space division with Modernfold Glass Wall Systems.

ACOUSTI-CLEAR®

Acousti-Clear® glass panels provide industry-leading sound control up to 51 STC and numerous custom finishes, including over 180 RAL powder coatings and a variety of glass options. In addition, this system offers several unique privacy add-ons, including MorphGlas™, motorized privacy shades by Draper®, and motorized blinds.



COMPACTLINE®

Compactline® glass panels add harmony to the overall appearance, as there are no visual interruptions due to continuous glass frontage. These systems create high spatial configuration flexibility, as straight-line, segmented, and curved track layouts are all possible.



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OPERATING MODES

In all operating modes, the panels are moved to their preprogrammed positions under fully automatic control. The operating behavior is dynamically adapted according to where a panel is currently located and where the preceding and following panels are positioned at any given moment in time. The system operating behavior can be easily adjusted by parameter reconfiguration.



Acceleration:

As soon as a panel receives the command to go, it checks to ensure that the way ahead is free and then accelerates to the preprogrammed speed.

Fast Speed:

If the way ahead is unimpeded over a good distance, the panel is accelerated to the highest speed of travel.

Creep Speed:

The panel switches to creep mode to travel the final few inches to its preprogrammed position.

Deceleration:

As the panel approaches its preprogrammed position, the speed is reduced to the required creep value.

Stop:

The panel stops once it has reached its preprogrammed position.

Staggered Travel Mode:

The panel follows the preceding panel at a defined distance as they move into their respective positions.

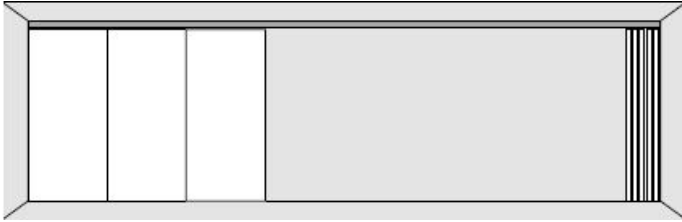
Waiting:

Although panels may have received the command to go, they remain in waiting mode until there is a clear path for operation.

COMFORTDRIVE®

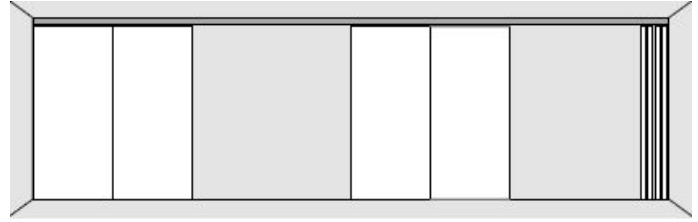
OPERATING MODES

PARTIAL CLOSE



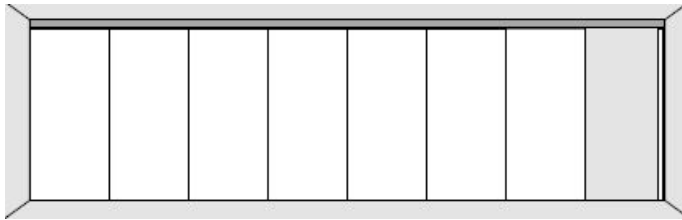
Partial opening or closing of partition. The number of panels affected can be preset by parameter configuration.

ZONAL OPENING EXAMPLE 1



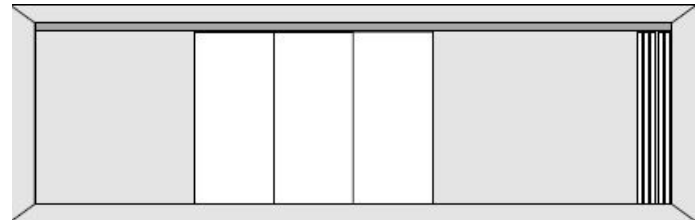
Certain areas of the partition can be opened. The position and number of panels can be preset by parameter configuration.

PERSONNEL OPENING



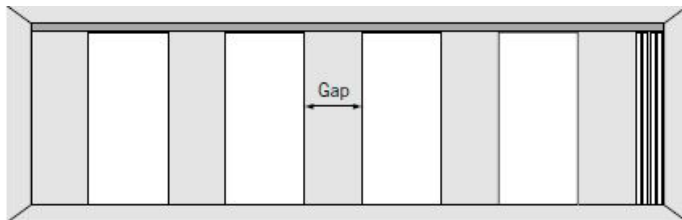
Partial open mode (personnel access). The number of panels that open or close can be preset by parameter configuration.

ZONAL OPENING EXAMPLE 2



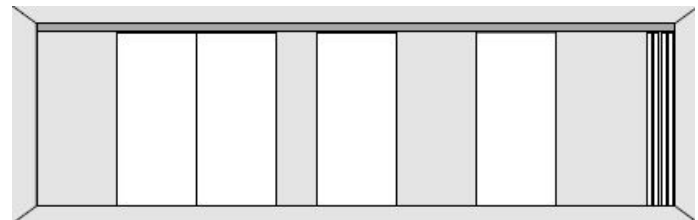
Certain areas of the partition can be opened. The position and number of panels can be preset by parameter configuration.

GAPPED



Positioning of the panels at a preprogrammed distance apart. The number of panels and the gapping distance can be preset by parameter configuration.

FREE POSITIONING



This mode offers the flexibility of placing the panels within any track location.



215 West New Road
Greenfield, IN 46140

Tel: 800-869-9685

Email: info@modernfold.com
Website: www.modernfold.com