Single Panel Automated Door Drive - Closed Flush

• Typically used for hiding TVs
• When closed the door is flush with its surrounding panels.
• The fixed panel above the door must be chamfered so that the movable door can tilt back properly.
• The door drive is a motor tube with lifting straps. Starting and stopping points for the door are set at installation.
• Doors are not included. System includes tracks, motor drive and controls.
• Controls available include IR remote, RFQ remote, low voltage switch, 120 volt switch and Home Automation Integration.
• Custom guides and roller assemblies available
Motor Tube and Lifting Straps and guides all hidden behind fixed panel

Mounting Brackets

Roller Assemblies mount on the back of the door and integrate with the guides

Lifting Straps - attach to back of door

Front view

Shaded area is trim and fixed panel that is in the same plane as the door

Guides

1 1/2
Guides/tracks on each end. Can also be moved out laterally with plywood extensions (not included) that are added to the roller assembly.

2 inch diameter Motor Tube

Fixed panel in front

Motor Tube – can also be placed lower or anywhere it can implement proper leverage

8 inch minimum (approx.)

Note: Door will tilt back as it raises 2.5 to 3.5 inches depending on the height of the movable door.

3/16 gap

Fixed panel in front must have 60 degree chamfer

Guides/tracks

OPEN

CLOSED
Guides and Roller Assembly

Top View

Guides/tracks

Front of guides will align with the back of the door

1 1/2

4 1/2 to 5 1/2

1 1/2

Roller Assembly

1 1/2

Door

NOTE: Custom roller assembly designs are available. Also, wood extensions for the roller assembly can be made so that the guides can be moved out further to the left and the right to better conceal them from the door opening.
Guides and Roller Assembly

Length of Guides is typically twice height of the door plus a few inches.

Length of Roller Assembly depends on height of the door.

Side View
Motor Tube Mounting Brackets

- Right side steel motor brace Secures with 2 to 4 screws

- Left Side idler bracket - 1.75 dia

Side View
Motor End

- Motor head
- Motor tube – 2 “ dia

Front View
Motor End

- 1”

Side View NON - Motor end

- 1”

Front View NON - Motor end

- Secures with 3 screws

5 to 6”
Lifting Strap brackets

Strap

Clip rotates on this axis

Single hole metal clip

1"
This approach allows the guides to be moved out right and left to help further conceal them.