

Television lifts
Automated lifts
Home theater automation

GENERAL PRODUCT GUIDE



Automating lifestyle.

Masters of Automation

Inca Corporation was founded in 1971. Our primary business is the development of automation equipment to move Television displays, flat screen monitors, Projectors, Appliances, and other related items from concealed locations, to allow them to be viewed or operated. Our product line includes TV Lifts, Pullout and Swivel systems, Table conversions, Automated Door systems, and Lifts to raise and lower Projectors from the ceiling or floor, and much more. We also make a wide variety of controls, which include: Rocker switch, Radio remote, Infrared, Touchscreen interface, 12 VDC, or Dry contact actuated controllers. Inca can provide up to four different motions on a lift (i.e. raising a TV set out of concealment, pulling the TV out, turning the TV, and tilting it to a desired viewing position), all with one controller. Whether your entertainment center is

located at home, on a yacht, in a motor home, aircraft, corporate office, or a media room, Inca automation products are always available to serve your needs.

Inca Corporation is a vertically integrated manufacturing company that makes everything from swivel rings, or to large area bearings. We keep in stock a wide range of products. Our manufacturing capability enables us to tackle complex and demanding custom automation requirements for most of the standard products that we make. Your dreams can become a reality with the help of Inca Corporation.







Flat Screen Lift

The INCA line of flat screen Lifts, P/N 900814 and all models thereof, are specifically designed to move flat screen TVs from concealments to any desired viewing position. The side panels are fabricated from aluminum and the moving bar assembly depth starting at 3.75", front to back, and 3.00" in height. Inserts are included to mount a manual or automatic swivel system on the lift platform. Standard units are wired to a universal junction box to allow the attachment of any INCA flat screen lift accessory, or controller, such as: (RF) radio remote, rocker switch, Infrared, 12 VDC/Dry contact closure for touchscreen commands, and power sensor module.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- VESA compliant mounting system available
- Aluminum side panels and steel spur gears
- Unit can lift up to 450 lbs.
- Available in stainless steel upon request
- Available in automatic or manual swivel (optional)
- Touch-stop safety controller available upon request



Compact Flat Screen Lift

The 900815 series of lifts were designed to move smaller-sized flat screen TVs or monitors from a concealed location to an ideal viewing position. The aluminum side panels are only 4.125" in depth. The stiff moving bar assembly that contains the motor and drive system, is fabricated from steel and is only 3.00" in depth and 3.125" in thickness. Standard units are wired to a universal junction box, to allow the attachment of any INCA Plasma TV lift accessory, or control, such as: (RF) radio remote, rocker switch, Infrared, 12 VDC/Dry contact closure for touchscreen commands, and power sensor module.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- VESA compliant mounting system available
- Available in stainless steel upon request
- Available in automatic or manual swivel (optional)
- Aluminum side panels and steel spur gears
- Unit can lift up to 70 lbs.



Flat screen Lift and Swivel

The flat screen low profile swivel is designed to mount onto an INCA Lift. Since the swivel is only 1.50" in height and 8.50" or 10.00" in diameter, this system allows flat screen TVs to be mounted in very height sensitive locations, such as the foot of a bed or beneath a window sill. When operated, the swivel can raise and turn the flat screen TV 360-degrees to the desired viewing position. Choice of control options available include: (RF) dual channel radio remote or touch-screen compatible controllers that accept dry contact or 12 VDC signals.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- Adjustable magnetic cam default stops
- Internal ports are provided for customer's cables
- Available in automatic or manual swivel (optional)
- Unit will not go down if the TV is rotated off center
- VESA compliant mounting system available
- Available in stainless steel upon request
- Touchstop safety controller available upon request
- Unit can lift up to 450 lbs.



Compact Flat Screen Lift and Swivel

The micro-swivel is designed to mount on an INCA Compact Flat screen Lift, to turn smaller-sized LCD or monitors. Since the swivel is only 1.50" in height and 5.75" in diameter, this system allows smaller-size flat screens to be mounted in very height sensitive locations, such as the foot of a bed or beneath a window sill. When operated, the micro-swivel can raise and turn the flat screen 360-degrees to the desired viewing position. The swivel can be controlled by (RF) radio remote or touch-screen compatible controllers.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- Adjustable magnetic cam default stops
- Internal ports are provided for customer's cables
- Available in automatic or manual swivel (optional)
- Unit will not go down if the TV is rotated off center
- VESA compliant mounting system available
- Available in stainless steel upon request
- Touchstop safety controller available upon request
- Unit can lift up to 70 lbs.



TV Floor Lift

The Inca TV Floor Lift houses any size flat screen and raises it out of the floor for convenient viewing. These units are completely assembled and ready for installation. The extension section can be made to bring the TV up to the desired viewing level. Control options available include: (RF) radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- Rolling cable trays provided for customer's cables
- External j-box for easy access to controllers
- Rigid steel tube construction with aluminum covers
- Available in automatic or manual swivel (optional)
- VESA compliant mounting system available
- Available in stainless steel upon request
- Touchstop safety controller available upon request
- Aluminum side panels and steel spur gears



TV Floor Lift with Swivel

This Floor Lift houses any size flat-screen, raises it out of the floor, and then swivels it up to 360-degrees to any viewing angle. These units are completely assembled and ready for installation. Control options available include: (RF) dual channel radio remote or touch-screen compatible controllers that accept dry contact or 12 VDC signals.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- Rolling cable trays provided for customer's cables
- External j-box for easy access to controllers
- Rigid steel tube construction with aluminum covers
- Unit will not go down if the TV is rotated off center
- Available in automatic or manual swivel (optional)
- VESA compliant mounting system available
- Available in stainless steel upon request
- Touchstop safety controller available upon request
- Aluminum side panels and steel spur gears



Lift Mounted Corner Post Swivel

The Ultra Stable Lift and Corner Post swivel is designed to suspend a full-sized flat screen TV, from one edge and swivel it to a convenient viewing angle. The heavy duty base that mounts on the custom Ultra Stable lift can be installed to provide a 90 or 180 degree turn. The swivel system is electrically interlocked, so the lift cannot move unless the swivel is returned to zero position. Choice of control options available include: (RF) dual channel radio remote or touch-screen compatible controllers that accept dry contact or 12 VDC signals.

Features

- Adjustable stop cams, to set desired viewing positions
- VESA compliant mounting system included
- Unit will not go down if the TV is rotated off center
- Available in stainless steel upon request
- Smooth and quiet operation



Fold-Down Ceiling Unit

The Fold-Down Ceiling Unit is designed to hold a flat screen TV in the ceiling and fold it down on command for viewing. When the flat screen is not being used, it is folded up into a protected enclosure mounted in the ceiling, where it is secure, out of the way, and safe. The Fold-Down unit is only 6.00 inches (on average) in thickness, and comes with a special steel frame that once permanently installed in the ceiling, permits the machine to be easily removed and reinstalled, should that ever be required. Choice of control options available include: (RF) radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- Includes TV mounting hardware
- VESA compliant mounting system included
- Retracts into ceiling
- Controls provided on external j-box for easy access
- All internal shrouds are black anodized
- Available in stainless steel upon request
- External j-box for easy access to controllers



Fold-Down and Swivel Ceiling Unit

The Fold-Down and Swivel Ceiling unit is specifically designed to store a flat screen TV in the ceiling and upon command, fold the TV down into a room, and then swivel it to a perfect viewing position. When the flat screen is not in use, it folds up inside the ceiling in 6-inches of space (on average). Each unit comes with a special frame that once permanently installed in the ceiling permits the machine to be easily removed and re-installed should that be required. Control options include two-button (RF) radio remote, or a two-motion controller for touch-screen use.

Features

- Includes TV mounting hardware
- VESA compliant mounting system included
- Retracts into ceiling
- All internal shrouds are black anodized
- Available in stainless steel upon request
- Fully automatic swivel system can rotate TV 360-degrees
- External j-box for easy access to controllers
- Can accommodate a monitor up to 50" wide



Fold Down and Extend Ceiling Unit

The Fold Down and Extend Ceiling unit can fold a flat screen TV out of the ceiling, and then lower it closer to the floor using an extension section. When the flat screen is not in use, it folds back inside the ceiling in 12-inches of space (on average). Each unit comes with a special frame that can be easily removed and re-installed should that be required. Choice of control options available include: (RF) radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- Includes TV mounting hardware
- VESA compliant mounting system included
- Retracts into ceiling
- All internal shrouds are black anodized
- Available in stainless steel upon request
- External j-box for easy access to controllers
- Can accommodate a monitor up to 50" wide



Fold Down, Extend, and Swivel Ceiling Unit

The Fold Down, Extend, and Swivel Ceiling unit can fold a flat-screen TV out of the ceiling, lower it closer to the floor using an extension section, then rotate the TV to the ideal viewing position. When the flat-screen is not in use, it folds back inside the ceiling in 12-inches of space (on average). Each unit comes with a special frame that once permanently installed in the ceiling permits the machine to be easily removed and re-installed should that be required. Control options include two-button RF radio remote, or a two-motion controller for touch-screen use.

Features

- Includes TV mounting hardware
- VESA compliant mounting system included
- Retracts into ceiling
- All internal shrouds are black anodized
- Available in stainless steel upon request
- Swivel system can rotate TV 360-degrees
- External j-box for easy access to controllers
- Can accommodate a monitor up to 42" wide



Vertical Drop Down Ceiling Unit

The Vertical Drop Down Ceiling unit is a completely enclosed system, which stores any size flat screen in the ceiling and brings it down for convenient viewing. These units are completely assembled and ready for installation. The extension section can be made to bring the TV down to the desired viewing level. Choice of control options available include: RF radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- Internal rolling cable trays provided for customer's cables
- High reliability, aircraft screw-on, multi-pin connectors
- External j-box for easy access to controllers
- Rigid steel tubular frame
- Unit will not go down if the TV is rotated off center
- VESA compliant mounting system included
- Available in stainless steel upon request



Vertical Drop Down and Swivel Ceiling Unit

The Vertical Drop Down and Swivel Ceiling unit is a completely enclosed system which provides a safe means of storing a flat screen TV above the ceiling, lowering it into the room, then rotating the TV up to 360-degrees for the ideal viewing position. Control options include two-button (RF) radio remote, or a two-motion controller for touch-screen use.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- Internal rolling cable trays provided for customer's cables
- High reliability, aircraft screw-on, multi-pin connectors
- External j-box for easy access to controllers
- Rigid steel tubular frame
- Unit will not go down if the TV is rotated off center
- VESA compliant mounting system included
- Available in stainless steel upon request



Vertical Drop Down, Swivel, and Tilt Ceiling Unit

The Vertical Drop Down, Swivel, and Tilt Ceiling unit is a completely enclosed system which provides a safe means of storing a flat screen above the ceiling, lowering it in the room, then tilting the TV forward up to 30-degrees, then rotating the TV up to 360-degrees for the ideal viewing position. This specific Drop down model can be operated on a triple-channel radio remote or a triple-motion sensor for touchscreen use. An extension section to lower the TV further down into the room is optional.

Features

- Rack and pinion construction
- External, positive-stop, adjustable limit switches
- Internal rolling cable trays provided for customer's cables
- High reliability, aircraft screw-on, multi-pin connectors
- External j-box for easy access to controllers
- Rigid steel tubular frame
- Unit will not go down if the TV is rotated off center
- VESA compliant mounting system included
- Available in stainless steel upon request



Wall Mounted Corner Post Swivel System

The Wall Mounted Corner Post Swivel is designed to suspend a full-sized flat screen TV, from one edge and swivel horizontally to the ideal viewing position. Each Corner Post Swivel assembly includes two mounting brackets; one to mount the flat screen to the enclosure, whether the enclosure is provided by INCA or not, the other to attach the flat screen TV to the corner post swivel system. All of these hardware pieces are fully assembled and crated for shipping. If they are all ordered together, the enclosure is mounted and crated with the corner post swivel system.

Features

- Includes mounting hardware
- Operates on (RF) radio remote or touch-screen
- Smooth and silent operation
- High reliability, aircraft screw-on, multi-pin connectors
- VESA compliant mounting system available
- Available in Stainless steel upon request



Motorized Wall Mounted Pullout and Swivel System

The beauty and utility of a wall mounted flat screen TV is even more enhanced with this fully automated wall mounted system. At the press of a button, you can bring your TV out from the wall and rotate it to the most desired viewing position. With the touch of a button, you can also initiate automatic commands that reverse motions, from any position, to bring the flat screen back to the wall. The Wall mounted Pullout and Swivel system can be installed 'recessed' or flush to the wall. Choice of control options available include: (RF) radio remote or 12 VDC/dry contact closure for touch-screen commands.

Features

- Completely assembled wall mounting frame
- Cable management system
- VESA compliant mounting system included
- Recessed into or flush to wall mounting frame
- Available in black, white, and silver



Sideslider Pullout

The Sideslider Pullout system is a compact, rigid and sturdy linear slider specifically designed to slide out a flat screen, from a concealment to viewing position, on command. This unit is ideal for unique in-wall applications, it will support up to 150 pounds, and provide motorized extension for TVs up to 47-inches wide. Control options include dual-channel (RF) radio remote and 12 VDC/dry contact closure for touch-screen commands. All controls are attached via an external j-box, which is on a 25-foot cable, so they can be installed in an accessible area.

Features

- Aircraft multi-pin connectors for high reliability
- Remote easy access j-box for controller attachment
- Rolling cable trays provided for cable management
- VESA compliant mounting system available
- Available in stainless steel upon request



Sideslider Pullout with Swivel

The Sideslider Pullout and Swivel system is a compact, rigid and sturdy linear slider specifically designed to slide out a flat screen, from a concealment to viewing position, and rotate it to a desired viewing angle, on command. This unit is ideal for unique in-wall applications, it will support up to 150 pounds, and provide motorized extension for TVs up to 47-inches wide. Control options include (RF) radio remote and 12 VDC/dry contact closure for touch-screen commands. All controls are attached via an external j-box, which is on a 25-foot cable, so they can be installed in an accessible area.

Features

- Aircraft multi-pin connectors for high reliability
- Remote easy access j-box for controller attachment
- Rolling cable trays provided for cable management
- Maximum rotation of up to 180-degrees
- VESA compliant mounting system available
- Available in stainless steel upon request



Wall Mounted Tilting System

The Wall Mounted Tilting System is a complete, stand-alone automation machine that mounts to a secure wall. This unit includes a mounting system that holds a flat screen monitor and tilts it forward, up to 30-degrees, on command. The internal limit switches can be set to limit the tilt at any point up to 30 degrees. The system is supplied with an external universal configured junction box on 25 feet of cable.

Features

- Includes the TV mounting system
- Heavy duty, semi-gloss black, steel construction
- VESA compliant mounting system included
- Available in stainless steel upon request



Horizontal Door Opener

Each single-track or double unit can carry a load of up to 250 lbs. The Door opening system is universally configured to use either rocker switch, (RF) radio remote, or external 12 VDC/dry contact signals and power sensor module. Put two tracks together and you can open two doors with the same controller. Custom sizes are readily available. It is compact designed, to mount vertically or horizontally.

Features

- All aluminum construction
- Carries up to 250 lbs.
- Available in single and double-door openers
- Narrow profile
- Available in stainless steel upon request



Mini Horizontal Door Opener

Specifically designed to meet the needs of furniture manufacturers and cabinetmakers, the Mini Horizontal Door Opener is easy to order and easy to install. The unit is designed to move a small door that weighs up to 40 lbs. The mini-door opener comes fully assembled. Choice of control options available include: (RF) radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- All aluminum construction
- Carries up to 40 lbs.
- Available in single, and double-door openers
- Narrow profile
- Available in stainless steel upon request



Vertical Step Back and Rise Door Opening Module

INCA manufactures a complete hidden automation system that will retract a door in a wall by stepping it back out of its frame, then raise it vertically out of the opening for complete clearance. The Step Back and Rise comes completely assembled. The motorized moving bar can be made to hold a door, sized to your requirements. Each system has an external junction box. Choice of control options available include: RF radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- Smooth quiet operation
- Rack and pinion gear driven
- Hardware ready, to attach to your door
- Pre-wired to accept any INCA controllers
- Shipped fully assembled



Panel Lift

The Panel Lift is designed to lift panels, pictures, art displays, or any flat objects such a door or partition. These machines are available in 3 models: "6 x 6", 4" x 4", or 3" x 3" in cross section. Each system is fitted with an external junction box on a 25' cable to facilitate the connection of the INCA controller. Choice of control options available include: RF radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- Completely fabricated from stainless steel
- Shipped completely assembled
- Entire motor assembly can be easily removed from installed unit



Rigid Panel Moving System

The Rigid Panel Moving system is designed to move panels, artwork, or any flat objects such a door or partition, in front of a flat-screen TV, horizontal or vertical. Each system is fitted with an external junction box on a 25' cable to facilitate the connection of the INCA controller. Choice of control options available include: RF radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- Ease of installation
- Smooth quiet operation
- Shipped completely assembled



Utility Lift

The Utility Lift is a precise, rack and pinion motorized lift that will raise loads up to specification. This lift is ideal for moving equipment such as appliances, mini-refrigerators, microwaves, etc. This unit is available in standard sizes or can be custom made to fit your application. Choice of control options available include: RF radio remote, rocker switch, infrared, 12 VDC/dry contact closure for touch-screen commands, and power sensor module.

Features

- External, positive-stop, adjustable limit switches
- Aluminum side panels and steel spur gears
- Available in stainless steel upon request
- Available in automatic or manual swivel (optional)
- Rack and pinion construction
- Touch-stop safety controller available



Table Lift

The Table Lift Assembly is a compact, gear driven lifting mechanism that converts a coffee table to a dining table at the flip of a switch. The machine is a configured installation in a 'pedestal' supported coffee table/dining table unit. The special four-panel construction is extremely rigid with four crossed steel axles and gears for maximum rigidity and strength to support the table. This unit is available in standard sizes or can be custom-made to fit your application. Choice of control options available include: RF radio remote, rocker switch, and 12 VDC/dry contact closure for touch-screen commands.

Features

- External, positive-stop, adjustable limit switches
- Aluminum side panels and steel spur gears
- Available in stainless steel upon request
- Rack and pinion construction
- Touch-stop safety controller available



Dumbwaiter System

The Dumbwaiter System is enclosed in a welded steel frame with interlocked controls and is available to meet your lifting requirements. Individual station panels show status of car location. Available in simple up and down or with two additional intermediate stops. Interlocked car door prevents the unit from moving if the door is open. Station controllers allow the car to be controlled from any station by the push of the button.

Features

- Robust duty cycle for frequent use
- Interlocked controls at each station
- Rack and pinion drive
- Safety doors
- Double-door opening available on car



Speaker Lift

The Speaker Lift is specifically designed to lower or raise speakers, cameras, or equipment from a concealed position such as in the ceiling, floor, sidewalls, or cabinetwork. These lifts will move speakers with accuracy and high-reliability. Controllers are readily attachable to a remote located, external junction box on 25 feet of cable. The j-box can connect any combination of INCA controllers, including simple rocker switch, power sensor module, radio remote, or 12 VDC/Dry contact closure for touchscreen use.

Features

- Rack and pinion driven, for smooth movement
- Unit is shipped completely assembled
- Custom sizes are readily available
- Available in stainless steel upon request



Projector Lift

This lift is specifically designed to store a projector in the ceiling when it is not in use. When you need the projector, the system lowers the projector out of the ceiling to the desired projection position in the room. A smooth and accurate rack and pinion drive system ensures that the projector stops in the same place every time. The Projector Lift is available in two standard sizes. Custom versions are also readily available. Choice of control options available include: RF radio remote, rocker switch, and 12 VDC/dry contact closure for touch-screen commands.

Features

- External, positive-stop, adjustable limit switches
- Aluminum side panels and steel spur gears
- Available in stainless steel upon request
- Rack and pinion construction

Inca manufactures a wide range of controllers and accessories for our equipment. These controllers range from one to three channels of RF radio remote, rocker switch, power sensor module, and programmed input, 12 VDC/dry contact closure, such as from a touch-screen system.

P/N 900818



Rocker Switch

Operates your lift up and down

P/N 900819, -820

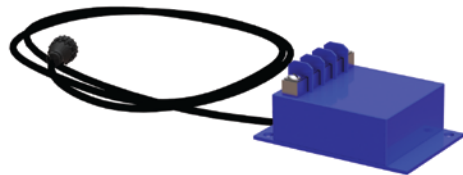


RF Radio Remote

Uses radio waves to control a unit up to 50 feet away. The Radio Remote is available in single-button, two-button, and three-button depending on the number of motions of your system. These versions can be distinguished by the color of the box. The single channel box is gold, dual-channel is red, and triple-channel is purple.

Item Number	Description	Functions Controlled	Motions Controlled
900818	Rocker Switch	Single Channel	One Motion
900819	RF Radio Remote	Dual Channel	Two Motions
900819-TS	Motion Sensor (Touchscreen)	Dual Channel	Two Motions
900820	RF Radio Remote	Single Channel	One Motion
900822-100	Infrared Power Sensor	Single Channel	One Motion
900823-A,-D	12 VDC/Dry Contact Closure	Single Channel	One Motion

P/N 900823-A



External 12 VDC/Dry Contact Closure

Is ideal for touchscreen use, where you can command the lift to move up and down through programmed signals. The closure is available as a one-motion sensor, 900823-A, 900823-D (12 VDC only) and as a two-motion sensor, 900819-TS

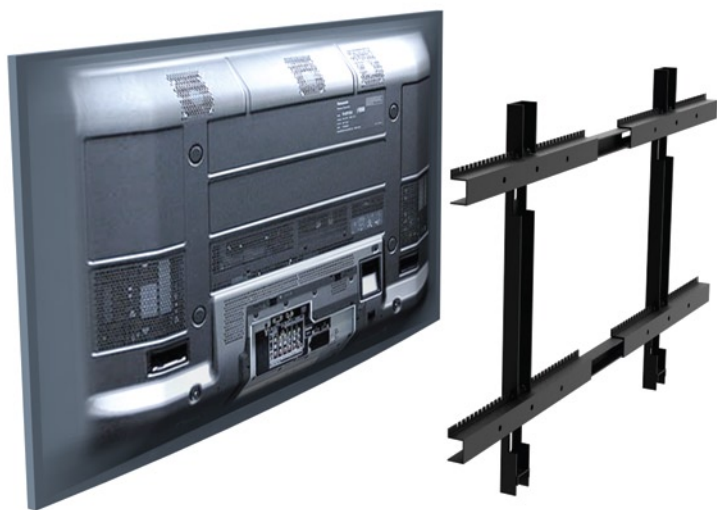
P/N 900822-200



Power Sensor Module

This device will sense that a TV has been turned on and will automatically raise the lift. When the TV is turned off, the sensor will automatically move the lift back down to its stored position. This module can be used to open doors, operate ceiling units, pullout, and tilting mechanisms, or products as long as a TV or universal remote is being used, to turn the TV power on and off.

P/N 900814-412-7



Universal Mounting System

The Universal Mounting system can attach to the back of any flat screen and allow the TV to be mounted inside an enclosure. This mounting system can be connected to any of our various lines of products: TV lift, lift and swivel, Wall mount system, Wall mount and tilt, Sideslider mechanism, etc. It is fully adjustable to accommodate any size TV. The complete frame is only 1.125" thick, so it does not significantly add to the depth of the TV. The Universal Mounting System is also VESA compliant.

