Originator and Manufacturer of residential lifts since 1923

Inclinator Company of America

601 Gibson Blvd.

Harrisburg, PA 17104

Phone: 800-343-9007

Fax: 717- 939-8075

Email: info@inclinator.com



Elevette ® Cable Drum – 500

Elevette ® Cable Drum - 1000

Elevette ® HydraRide - 1000

Elevette <sup>®</sup> MRL Cable Drum – 1000

Elevette ® MRL Geared – 950

With UC601 Control System



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							Date	Dealer Maintenance Record Installed Date This log is for your records. Please have yo completely.
							Tech.Name	d Installed Date Please have y
							Service Performed	Dealer Maintenance Record Installed Date This log is for your records. Please have your Dealer fill it out completely.

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## INCLINATOR COMPANY OF AMERICA

## Owner's Manual for your new Elevette® - The modern home elevator

Thank you for purchasing our product. You are now a family member of the thousands of satisfied customers who have purchased our products since 1923. As with your automobile, heating and air-conditioning system, etc, your new home elevator is a significant investment and requires a certain understanding of its operation, safety features and maintenance requirements. Our Authorized Inclinator Dealer has given you detailed operational instructions of the elevator, but please review all aspects of the device again by reading this booklet completely to assure that you have no further questions. If you have questions in the future, feel free to call your Authorized Inclinator Dealer or call us toll-free at:

Inclinator Company of America 601 Gibson Blvd., Harrisburg, Pennsylvania 17104 1-800-343-9007 or 717-939-8420

Phone Number	Address	Dealer Name	
Emergency Number			

Your new Elevette  $^{\circledR}$  is a sophisticated piece of equipment and should be periodically inspected and maintained by an authorized Inclinator Dealer.

\* See installation instructions for a preventative maintenance outline. \*

# SAVE THIS BOOKLET FOR FUTURE REFERENCE.

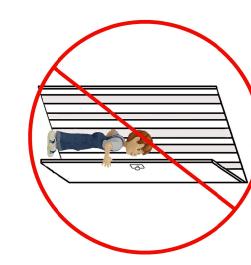
## INCLINATOR COMPANY OF AMERICA



elevator from service at your discretion. on the cab operating panel in the elevator) to remove the unattended. A key lockout switch has been provided (located of mechanical equipment. Please keep in mind the curious nature of children and do not allow them to use the elevator Elevators are no more or less dangerous than any other piece

and the elevator gate between the hoistway door may occupy the space supervision. A small child the elevator without close Never allow children to use

additional protection, but is gate. This device provides object or person between a light curtain to sense an cab moves away from the the hoistway door and the landing. Inclinator supplies injury or death when the resulting in serious



using the elevator. not a substitute for allowing unsupervised children from p-laying near or

then the cab gate can be closed. The distance between the elevator make sure the space between the hoistway door and cab gate is clear, and When entering the elevator, the hoistway door must be closed. Check to hoistway door and the cab gate must comply with all National, State, and

For more information please visit: www.homesafecampaign.com

### WARRANTY REGISTRATION

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SELLER. NO PERSON OR COMPANY IS AUTHORIZED TO CHANGE THE DESIGN OR OR ADDITIONS WERE MADE WITH OR WITHOUT THE WRITTEN AUTHORIZATION OF WHICH ANY PARTS OR ITEMS HAVE BEEN ADDED WHETHER SUCH MODIFICATIONS PRODUCT THAT HAS BEEN MODIFIED FROM THE ORIGINAL SELLER DESIGN OR TO PERSONAL INJURY OR PROPERTY DAMAGE RESULTING FROM THE OPERATION OF A FOUND TO BE DEFECTIVE. IN ADDITION, SELLER DISCLAIMS LIABILITY FOR ANY DAMAGE RESULTING FROM THE OPERATION OF A PRODUCT THAT HAS NOT BEEN FURTHER, SELLER DISCLAIMS LIABILITY FOR ANY PERSONAL INJURY OR PROPERTY MAKE-UP OF THIS PRODUCT WITHOUT WRITTEN AUTHORIZATION BY SELLER.

THIS WARRANTY SUPERCEDES ALL OTHER PUBLISHED, PRINTED OR ORAL WARRANTIES WITH RESPECT TO THE PRODUCT.

Warranty Rev. 10-25-2018

### **Elevator Terminology**

on each landing people use to "call" the elevator to a landing Call Station: Also called Remote Station or Hall Station, this is the button

Cab: Also called car, is the portion of the elevator in which people ride.

Cab Gate: Gate that is connected to the cab and travels with the elevator Inclinator elevators can have gate or door openings on 1, 2 or 3 sides.

elevator **Controller:** The controller houses the electrical control circuits for the

that includes the buttons and switches for operating the elevator. C.O.P.: Cab Operating Panel (COP) is the control panel inside the elevator

which an elevator passes Hoistway: Also called shaft, is the multi-floor opening created through

any floor that the elevator accesses Hoistway Door: Door opening to hoistway at a landing. A landing can be

Landing: Each floor on which the elevator will open

to the controller and provide safety circuit connections back to the controller bottom floor to the top floor. This will provide power if necessary, send calls to get power and car functions from the controller to the car as it rises from Traveling Cable: Also referred to as multi conductor wiring harness, is used

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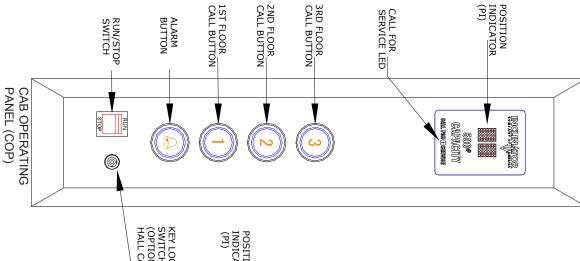
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#### **Operating Panels**

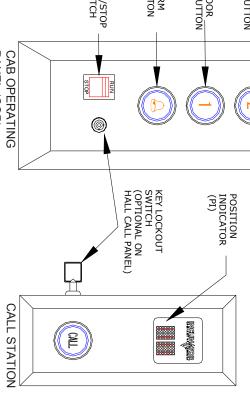


- \* without supervision. properly instructed to use the elevator care. Do not allow anyone not properly instructed on its use and Be sure users of the elevator are
- \* elevator is used by or near children. Close supervision is necessary when
- \* Never extend hands or feet through gate openings.
- \* Never use elevator when smoke or fire Always be sure elevator is level with the landing before entering or exiting.
- problems with the operation of your Always call an Authorized Inclinator is present. Dealer should you encounter any

\*

\*

elevator or when the Call For Service LED is lit.



OR INCORRECTLY PERFORMED MAINTENANCE OR REPAIR VOIDS THIS WARRANTY. DEALERS PROVIDE SUCH SERVICES WITH PARTS SUPPLIED BY SELLER. IMPROPER elevator contractor, SELLER RECOMMENDS THAT ONLY AUTHORIZED INCLINATOR While necessary maintenance or repairs on Seller Product may be performed by any qualified

THE PRODUCT IS SHIPPED FROM INCLINATOR'S FACTORY. AND IS LIMITED TO A PERIOD OF TWO YEARS (UNLESS EXTENDED) FROM THE TIME WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED

BE RECOVERY OF THE FULL PURCHASE PRICE OF THAT DEFECTIVE PART defective parts not be promptly replaced, BUYER'S SOLE AND EXCLUSIVE REMEDY SHALL from the Buyer and will issue credit for such parts confirmed to be defective. Should such returned from the Buyer to the Seller within 60 days from issuance of the RMA. Seller shall its option, provide factory reconditioned parts for replacement. The warranted part(s) shall be practices. Overnight and 2nd day shipment will be billed as an additional charge. Seller may, at under warranty. Replacement part(s) will be shipped to the Buyer using standard shipping Buyer shall notify Seller of any warranty claim. Seller will provide a Return Material confirm that the parts are defective in materials or workmanship within two weeks of receipt Authorization (RMA) number, ship replacement part(s) and issue an invoice for part(s) covered

OF ESSENTIAL PURPOSE, INTELLECTUAL PROPERTY INFRINGEMENT OR OTHERWISE BREACH OF CONTRACT, TORT, STRICT LIABILITY, BREACH OF WARRANTIES, FAILURE PUNITIVE DAMAGES, REGARDLESS OF WHETHER SUCH LIABILITY IS BASED ON BUT NOT LIMITED TO ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, CONTINGENT OR SELLER BE LIABLE TO BUYER FOR ANY OTHER LOSSES OR EXPENSES, INCLUDING REMEDY OF BUYER AGAINST SELLER, AND THAT UNDER NO CIRCUMSTANCES SHALL BUYER EXPRESSLY AGREES THAT THIS REMEDY IS THE SOLE AND EXCLUSIVE

# INCLINATOR COMPANY OF AMERICA - LIMITED PRODUCT WARRANTY

Inclinator Company of America (INCOA) referred to as Seller

INCOA approved Dealer referred to as Buyer

# LIMITED PRODUCT WARRANTY OF SELLER; SOLE AND EXCLUSIVE REMEDY

Coverage and length of warranty: This warranty applies to the repair or replacement, at Seller's option, of parts of the Product that fail due to defective workmanship or material. Seller may, at its option, provide factory reconditioned parts. The **basic coverage period for complete units** is twenty-four (24) months from the date that the equipment is shipped from Seller's factory, unless an additional multi-year extended warranty is purchased from Seller in accordance with the extended warranty terms below. The **basic coverage period for Buyer purchased parts**, representing less than a complete unit, is twelve (12) months from the date the part(s) are shipped from Seller's factory (collectively, the Warranty Period). The Limited Product Warranty applies only when an annual maintenance is performed by a qualified elevator contractor.

What is not covered

- All labor costs that are incurred for removal, repair or replacment of warranty parts, including related travel time.
- Consumable items / parts such as light bulbs, lamps, batteries, UPS (Uninterruptible Power Supplies), oil seals, mechanical switches, guide shoe inserts, drive belts, hydraulic fluid, lubricants, etc.
- Structural or cosmetic components that are subject to normal wear and tear, external forces and/or misuse. This includes paint, stain, caulking, weather barriers, slide blocks, fluid seals, switches, metal panels, glass, Plexiglas, gates, travelling cable, doors, buttons, trim, upholstery, etc.
- Damage or malfunction caused by improper installation and/or repair, lack of maintenance
  in accordance with manufacturer's recommendations, improper or abnormal use, misuse,
  neglect, abuse or accident, improper adjustment, structural integrity of building and/or
  hoistway, exceeding weight limit, failure to follow operating instructions or acts of God.
- Damage or malfunction caused by the integration of any additional parts or items, the
  customization of any product or parts, and/or the use of non-Inclinator parts, if such
  integration, customization or use was performed without approval from Seller.
- Damage sustained in shipping. Buyer must file claim with shipping / freight company

### Cab Operating Panel (COP)

<u>Call Buttons</u>: Press one of these buttons to call (move) the elevator to

the floor indicated on the button face.

Alarm Button: Pressing this button will activate an audible buzzer

Run/Stop Switch: mounted on top of the elevator cab.

This switch will be in the RUN position for normal.

iop Switch:

This switch will be in the RUN position for normal use.

"ST" will be displayed on all the PIs when this switch is in the STOP position. Move the switch to the STOP position to stop the elevator while moving or to temporarily prevent the elevator from accepting calls.

Also, for elevators equipped with automatic hoistway doors, move the switch to the STOP position after the

Key Switch:

Turn this switch to the OFF position to disable the elevator. "--" will be displayed on all the PIs when this switch is in the OFF position.

hoistway door is opened to hold the hoistway door open.

<u>Call for Service Led:</u> Contact your Authorized Inclinator Dealer if the Call For Service LED is lit.

#### **Call Station**

<u>Call Button:</u>

Press this button to call, (move) the elevator to the floor.

Key Switch:

Turn this switch to the OFF position to disable the Call

Station. "--" will be displayed only on the disabled Call

Station PI when this switch is in the OFF position.

Call /Send Feature

The Call/Send Feature allows the operator to send the car from the current floor to any other floor by using only the Hall call button of the current floor.

The Call/Send feature (if enabled) is initiated by holding in the call button for 2-5 seconds, at which time the PI will begin to fade on and off while displaying the lowest available destination floor. If the car is on the lowest floor, the next available floor will be displayed.

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To select a different destination floor, press and release the call button until the desired floor is displayed. Every time the call button is pressed and released, the next available floor will be displayed. When the highest floor is displayed, the next time the call button is pressed and released, the display will again display the lowest available floor. The current floor is always skipped.

To send the car, again hold the call button for 2-5 seconds and the car will move to the selected floor.

Once the Call/Send feature has begun (PI is fading on and off displaying the destination floor), if the call button is not pressed to either select a different destination floor or to send the car within 15 seconds, the Call/Send function is canceled and the elevator is returned to normal operation.

### Position Indicator (PI)

The Position Indicators, or PIs, are located in the COP & Call Stations. Generally, the PIs will indicate the cab position and the direction of travel while the cab is in motion.

While the cab is stationary, the PIs will indicate the current floor. While the cab is traveling, the left character of the PI will indicate the last floor passed. The right character of the PI will indicate the direction of travel via an up arrow or down arrow.

#### Examples:

3 The cab is currently stationary at floor 3

The cab has passed floor 5 and is traveling down.

# TAKING DELIVERY OF YOUR NEW ELEVETTE

To assure customer satisfaction, we ask you and your Authorized Inclinator Dealer to collectively *review the following checklist of items*. Please return the warranty card signed by both so that your warranty can be validated.

- ☐ Homeowner has been properly instructed on the operation of the elevator and has received a copy of the owner's manual.
- ☐ Light curtain system has been demonstrated to homeowner.
- ☐ The Run/Stop switch on the COP in the cab should normally be in the Run position
- ☐ The 30 amp and 20 amp breakers located in the main electrical panel must be on for elevator to operate. Homeowner has been shown these features along with the location of the main electrical disconnect.
- □ Depending on drive system, emergency lowering, battery back-up or hand cranking procedures have been explained to the homeowner.
- □ Placard detailing manual lowering procedure has been placed **prominently in close proximity** to machine or pump unit. Homeowner has been shown manual lowering placard and its location.
- ☐ Utilize the key lock to secure against unauthorized use.
- ☐ If elevator doesn't operate, check elevator gate and hoistway doors to make certain they are closed.
- □ Do not open elevator gate until elevator has come to a complete stop (Elevator will slow down when approaching the landing – wait for complete stop).
- ☐ Check phone for dial tone and dial out capabilities.
- ☐ Close supervision is necessary when elevators are used by or near children or pets.
- ☐ If elevator stops, do not try to bypass safety controls. Call Authorized Inclinator Dealer.

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## MAINTENANCE AND CARE OF YOUR ELEVATOR

- The only maintenance that should be done by the owner is cleaning the cab and gate track. This should be done as often and in the same manner as any piece of furniture.
- As with any modern piece of equipment, the elevator equipment must have annual maintenance performed by a qualified elevator contractor for the Limited Product Warranty to apply.
- Recommended Cleaning Procedure for Style 500 cab acrylic panels:
- Use "Zep 40 Non-Streaking Cleaner" as shown.



- Directions: Spray surface and wipe clean.
   Polish with a clean, dry cloth or paper towel.
   Repeat as necessary. Wipe from surface immediately. Use of any other cleaner on the Style 500 cab acrylic panels will void the warranty.
- As of July 2016 this product is available on Amazon.com and at Home Depot home improvement stores.

For a complete list of Authorized Inclinator Dealers, visit our website:
<a href="https://www.inclinator.com">www.inclinator.com</a>

On occasion, the PIs will indicate a 2 character code indicated in the following table.

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PI Display	Description
AP	Indicates that the Access Panel switch is or was opened.
<u>D</u>	Car Position / Open Door mismatch error. The current floor position of the car does not match the currently open landing door.
DX	Landing X door safety switch is open. Landing door is not closed properly.
FS	Float Switch safety switch is open. Float switch has been activated indicating water in hoistway.
GT	Car gate safety switch is open. Car Gate is not closed properly.
듀	A Lock Fault has been detected and the elevator is disabled.
돗	The elevator has traveled without opening the gate and door. The elevator is now disabled. See Door/Gate Monitor for more information.
F	Lower Limit safety switch is open. Lower limit switch on tape reader has been activated.
N C	Tape Reader is not connected.
Z	A non-sequential floor position error has been detected and the elevator is disabled.
SO	A Door Fault has been detected and the elevator is now disabled.
SC	Slack Cable safety switch is open, the elevator is now disabled
<u>S</u>	An Electrical Short to GND has been detected in the safety circuit. Elevator is inoperable.
TS	COP Run/Stop switch in stop position, TOC Run/Stop switch in stop position, Pit switch in stop position, Emergency Stop switch on Pendant in stop position.
$\overrightarrow{\rightarrow}$	Exceeded Upward Re-Leveling Time or Travel Run Time.
UL.	Upper Limit safety switch is open. Upper limit switch on tape reader has been activated.
×	XX = any characters that are blinking. Indicates loss of main AC power. Elevator is running on battery backup power. No up calls will be accepted, only down calls permitted

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PI Display	Description
71	An open door has been detected but the current car position
	is not in a door zone.
	"" displayed on All Remotes & COP. COP key switch is
I	turned off. Elevator is disabled and thus no calls will be
	accepted.
<u>၂</u>	Tape Reader cannot determine position of car or non-
•	sequential floor has been detected.
	"" displayed on Remote only. Remote (optional) key
1	switch is turned off. Remote is disabled and thus no calls
	will be accepted at this remote.

## EMERGENCY MANUAL LOWERING (ALL ELEVATOR TYPES):

### CAUTION

Manual lowering should only be used during an emergency. Manual lowering should only be performed by an authorized Inclinator dealer or emergency personnel.

### DANGER

# TURN OFF ALL POWER TO ELEVATOR BEFORE ATTEMPTING MANUAL LOWERING

Failure to do so can result in injury if power returns unexpectedly.

TURN OFF THE POWER SWITCH ON THE MAIN SYSTEM ENCLOSURE.



TURN OFF ANY OTHER POWER DISCONNECT SWITCHES AND BREAKERS to the elevator.

Each elevator type has a detailed instructional placard placed in close proximity to the elevator motor or the hydraulic pump unit. Use those detailed instructions on the placard to manually lower the cab.

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# IF ELEVATOR STOPS BETWEEN FLOORS:

- Place another call to a landing floor.
- Turn elevator RUN/STOP switch to the STOP position and back to the RUN position. Place another call to a landing floor.
- Use Phone and call for assistance.
- Press the ALARM button, which activates the alarm buzzer, to alert someone for assistance.
- Call your Authorized Inclinator Dealer.

### **Emergency Battery Lowering:**

Your Elevette ® elevator system is equipped with a backup Uninterruptable Power Supply (UPS). Upon loss of main utility power, the UPS will automatically and seamlessly supply power to the elevator system. The UPS will continue to supply power to elevator system for up to 30 minutes. Loss of power is indicated by the blinking PI characters on the COP and Call Stations.

During a loss of main power, the control will not allow an upward cab movement; you can only place a downward call. If you are in the cab and moving upward when the main power fails, the cab will stop and you will need to place a downward call to exit the cab. If you are in the cab and moving downward when the power fails, you will continue down seamlessly without stopping. The only indication you will notice of a power loss will be when the PI characters are blinking and the cab lights will have dimmed slightly. You can stop at any floor on the way down, but you cannot go back up.

## **Emergency Signaling Devices**

- A telephone connected to a central telephone exchange is required and is installed in the cab.
- An emergency alarm button is included on the C.O.P. which when pressed triggers and alarm that is audible outside the hoistway

### Door/Gate Monitor

This elevator is equipped with a door/gate (D/G) Safety Monitor that will disable, "LOCKOUT" the elevator under certain conditions. The purpose of the D/G monitor is to detect if any of the hoistway doors or cab gates safety switches have been disabled.

The D/G Safety Monitor will allow you to complete X cab calls without opening a hoistway door before the elevator will lockout. X is equal to the number of landings in the installation plus 1. Therefore for a 3 landing installation, 4 calls will be accepted but the elevator will lockout on the 5th call. Then to clear the Lockout, simply cycle the hoistway door and cab gate.

Also, after the cab stops at a landing, if the hoistway door is opened, the cab gate must be opened as well. If the hoistway door is opened but not the cab gate, the alarm in the top of cab enclosure will start beeping when the hoistway door is closed. There will be 3 short beeps every second and the position indicator (PI) will display "GT" on every beep. The purpose of the beeping is to immediately indicate that you must cycle the cab gate before the next cab call. Cycling the cab gate clears this condition. NOTE: If a call is made while the alarm is beeping, the elevator will lockout.

To clear any Lockout, simply cycle the hoistway door and cab gate.

If a lockout has occurred, the PIs in the COP & Call Stations alternates between "LK" and the current floor position of the car.

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### Re-leveling (Hydraride Only)

The Inclinator HydraRide residential elevator is equipped with an automatic re-leveling feature that maintains the cab at floor level. If the cab drifts down approximately 3/4" below floor level the elevator will automatically start and bring the cab up to proper floor level. The A17.1 Elevator Safety Code requires that all hydraulic elevators shall be equipped with this functionality.

When the elevator is not in use, a small amount of hydraulic fluid will seep through the hydraulic valve back into the reservoir. Given enough time the cab will settle below floor level enough to activate the re-leveling circuitry.

When re-leveling occurs, the elevator is operating properly and should not be a cause for alarm.

This automatic leveling function works independent of the hoistway door, cab gate, and COP Run/Stop switch safety devices. This means the elevator can re-level when you step into the cab with the gate and hoistway door still open or when the COP Run/Stop switch is in the stop position.

### Releveling (Cable Drum)

The Inclinator Cable Drum elevator is equipped with an automatic releveling feature, (if enabled) that maintains the car at floor level. If the car moves approximately 3/4" above or below floor level, the elevator will automatically start and bring the car back to proper floor level.

This automatic leveling feature works independent of the hoistway door, car gate, and COP Run/Stop switch safety devices. This means the elevator can re-level when you step into the car with the gate and door still open or when the COP Run/Stop switch is in the stop position. When releveling occurs, the elevator is operating properly and should not be a cause for alarm.

### OPERATING PROCEDURE

- 1. Call elevator to your landing by pressing the button on the Call Station.
- 2. Open the hoistway door.
- Be sure the elevator is at landing. Also note if the elevator floor is even with the landing floor.
- Grasp the cab gate handle and open the cab gate fully. Step into the elevator.
- 5. Close hoistway door.
- Close cab gate.
- 7. Push desired floor level button on the Cab Operating Panel (COP).
- 8. Do not extend hands or feet through gate openings. Do not open the cab gate while the cab is moving.
- When elevator has stopped be sure the elevator is level with the landing.
- 10. Open the cab gate, open the hoistway door and step out.
- 11. Close the cab gate and the hoistway door behind you so elevator is ready for others to use.
- 12. Please note that if any of the hoistway doors or the cab gate is not closed properly the elevator will not run.

## IF ELEVATOR FAILS TO OPERATE:

Check the following items.

- Did you close the gate or gates?
- Has the RUN/STOP switch been moved to the STOP position?
- Has the key lockout switch been turned to the off position?
- Have all hoistway doors been closed properly?
- Contact your Authorized Inclinator Dealer for further assistance

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