



OPERATION MANUAL

SYNERGY LULA [LIMITED USE / LIMITED APPLICATION] ELEVATOR

Niagara Belco Elevator Inc.

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IMPORTANT

The Synergy LULA Elevator must be installed, maintained and serviced by an authorized Niagara Belco Elevator Inc. dealer only. Under no circumstances is anyone other than a trained and authorized Niagara Belco Elevator Inc. dealer to install, adjust, service or modify any mechanical or electrical device on this elevator. As the owner, you must be aware of your local elevator codes and ensure periodic elevator maintenance.

FAILURE TO FOLLOW THIS WARNING CAN RESULT IN SAFETY SYSTEMS BEING COMPROMISED OR DEFEATED, WHICH CAN RESULT IN SERIOUS INJURY OR DEATH

Niagara Belco Elevator Inc. Inc. accepts no liability for property damage, warranty claims or personal injury, including death, in this circumstance. Lift and elevator passenger safety is the result of countless details in the equipment's design, manufacture and installation. After installation, reliable operation and continued assurance of safe operation requires regular service and inspection to be carried out at an interval determined by your local elevator safety code.

Frequent usage and elevator environment may dictate increased service and inspections. The owner is responsible to ensure that regular service and inspections occur in a timely manner. The owner must refer to this manual for operating instructions and precautions for usage of this Commercial LULA Elevator.

On completion of installation, the dealer must provide the owner with the information below and ensure it is recorded in the owner's manual. Any service and/or maintenance must also be recorded in the Maintenance Record section of this manual by the authorized Niagara Belco Elevator Inc. dealer or the owner.

WARRANTY

Your Niagara Belco Elevator Inc. Dealer will provide a copy of the manufacturer's limited parts warranty and documentation relating to any labour warranty offered by your Dealer.

This product is designed and manufactured to exact specifications. Modifications of this product in any way can be dangerous and will void the warranty.

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STANDARD FEATURES

Phase 2 Fire Service Keyswitch (Optional)

The keyswitch in the ON position enables cab controls as per Code A17.1-2007 Section 2.27. The keyswitch in the OFF position allows for normal lift operation. The keyswitch in the HOLD position holds the doors open when the cab is at a landing.

Cab Operating Panel (COP) Buttons

Once the selected landing button is pressed, the cab will automatically move to the landing. The cab will stop when the selected landing is reached.

Door Open/Close Buttons

The elevator door will close automatically after a pre-set adjustable time in seconds. This button can be pressed to open/close the door when the cab is at a landing

Emergency Stop Keyswitch

The keyswitch can be set to Stop at any time to stop the cab and activate the alarm buzzer.

Alarm Button

The button can be pressed at any time to sound the alarm in case of an emergency

Emergency Light | Digital Position Indicator

The COP emergency light remains ON to provide cab lighting in the event of a main power failure. The emergency light uses an uninterrupted power supply system with an automatic recharger

Landing Hall Call Station Controls

Hall Call Stations are installed at all landings to move the cab to the landing from which it is being called. The position indicator displays the floor the cab is at. An optional keyswitch limits the elevator's use to authorized persons only. An optional Hoistway Access Hall Station Keyswitch enables service hoistway access, used with the COP Hoistway Access Keyswitch.

Landing Door and/or Gate Interlock

The Landing Door/Gate lock prevents the movement of the cab unless the door/gate is in the closed and locked position. If the door/gate is not completely closed, the cab will not move.

Emergency Battery Operation

In the event of a building power failure, the door/gate system is provided with a temporary power back up system to continue the opening operation for a number of times. On resuming normal building power, the backup system will turn OFF and begin automatic recharging.

STANDARD FEATURES

Car Top Inspection Station (CTIS)

The CTIS is installed on all lifts and must be operated by qualified inspectors or Niagara Belco Elevator Inc. dealer only. Set to NORMAL for normal lift operation, set to INSPECT with all doors closed and locked for inspection purposes. Press and hold the ENABLE/SAFETY button, then press and hold UP or DOWN button to run the cab in the selected direction. Set to the red Stop Button RUN to allow the cab to run UP/DOWN during inspection, set to STOP to stop the cab from running at any time.

Car Top Prop (When required by site conditions)

The Car Top Prop must be operated by qualified inspectors or Niagara Belco Elevator Inc. dealers only. It is supplied when insufficient overhead hoistway clearance exists. Raise and rotate the Prop counter-clockwise to the service position before operating the CTIS. Ensure the Prop is stowed to normal position before the lift is returned to normal operation.

TO PREVENT SHEAR HAZARDS WHEN OPERATING THE CTIS, KEEP ALL BODY PARTS INSIDE THE CAB ROOF EDGES AND AWAY FROM ANY HOISTWAY EXTRUSIONS. THE PIT PROP MUST BE SET TO THE SERVICE POSITION (WHEN EQUIPPED).

OPERATING THE ELEVATOR FROM THE LANDING CONTROLS

To call Elevator to the Appropriate Level:

- Press the CALL ELEVATOR button. The cab will automatically stop at your landing.
- When the cab reaches the landing, the door lock on the landing door will automatically release, then if the elevator is equipped with our Automatic 2-Speed Horizontal Sliding Doors follow this procedure:
- When the elevator reaches the landing, the sliding doors will open automatically. Enter the cab and, after a few seconds, the doors will close behind you. Once inside the cab, lock wheelchair wheels.

NOTE:

When using the landing controls, the cab can only be moved (called) to the level from which you are calling. When using the control buttons in the cab, the cab can be moved to any level.

**WHEELCHAIR WHEELS MUST BE LOCKED
AT ALL TIMES WHEN THE ELEVATOR IS MOVING**

OPERATING THE ELEVATOR FROM THE CAB CONTROLS

- If sitting in a wheelchair, set the brake on the wheelchair wheels or, if standing, hold on to the handrail.
- Press the appropriate floor button to move the cab to the desired landing.
- When the cab reaches the landing, the door lock on the landing door will automatically release.

Automatic Sliding Doors

If the elevator is equipped with our Automatic 2-Speed Horizontal Sliding Doors, the door will chime when the elevator reaches the landing and the sliding doors will open automatically. Exit the cab and after a few seconds the doors will close behind you.

Manual Gate

If cab is equipped with a gate, slide the gate open at this time and then open the manual swing landing door. Exit the cab. Close the gate and then the landing door.

DOOR OPEN BUTTON

The door-open button is located on the cab control panel [COP] of elevators equipped with 2-Speed Horizontal Sliding Doors. When the elevator is at a landing level, the 2-Speed Horizontal Sliding Doors can be opened by pressing the Door Open Button. Normally the doors will have opened and already closed automatically when arriving at the landing. The Door Open Button allows the door to be reopened.

EMERGENCY BATTERY LOWERING

This feature allows the lowering of the cab from inside the cab itself, without having to get someone to manually lower it from inside the machine room. This device operates on batteries and is only activated in the case of a main building power failure. The operation is as follows:

- Press any button below the floor where the elevator is located. The elevator will descend and stop at the landing.
- Upon arrival at the desired floor, the automatic doors (if equipped) will open. Exit the cab.

EMERGENCY HANDS - FREE TELEPHONE

If your lift is equipped with an Emergency Hands-Free Telephone, press and hold down the button in the telephone box to activate the phone line. A short time delay will occur.

Release the button once the call is picked up by the telephone line. The system will automatically dial out to a pre-programmed telephone number.

The pre-programmed telephone number and the length of the time delay upon activating the hands-free telephone are programmed by the elevator technician at the time of installation.

MANUAL LOWERING

The manual lowering device is located in your elevator's machine room. In the event of a power failure, the cab can manually be moved to a lower level by using the following procedure.

MANUAL LOWERING OF THE ELEVATOR CAN BE PERFORMED BY TRAINED PERSONNEL ONLY

- Obtain the key to unlock the door to the machine room where the elevator pump unit is located.
- Instruct the occupants of the elevator to remain calm and stay well back from the door of the elevator. Ease their concern by telling them your intentions.
- Switch the main disconnect switch to the "OFF" position for the main power supply to the elevator pump unit.
- Locate the red Manual Lowering Knob on the pump unit. Twist the Manual Lowering Knob to lower the cab. Maintain constant pressure on the knob until the elevator reaches the lowest landing and stops automatically.
Although you may not be able to see the elevator, this is readily detected since there will be no further noise as the oil flows to the reservoir.
- Obtain the special door release key and open the lower landing door. Assist the passengers from the cab.
- After the passengers have exited the cab, make sure hoistway door is closed, reconnect disconnect switch inside the machine room and lock door behind you.
- Return the key and special door release key to its original storage area.

UNDER NO CIRCUMSTANCES SHOULD THE PUMP CONTROLS OR VALVE SETTINGS BE ADJUSTED EXCEPT BY AN AUTHORIZED NIAGARA BELCO ELEVATOR INC. DEALER

MAINTENANCE AND INSPECTION CHECKS

Regular maintenance will keep your elevator in proper operating condition. Please remember local elevator codes. As the owner of this elevator, you are responsible for making sure that maintenance and upkeep are done on a regular basis by licensed technicians. To ensure proper operating condition of your unit, the items listed below must be inspected and, if necessary, serviced periodically as per local requirements. Additional inspections may be required depending on usage.

- Tighten all rail and cab fastening bolts.
- Lubricate the door mechanism and adjust the door closure if required.
- Inspect the travelling cable for wear. Replace if any cuts or damage to the jacket is evident.
- Check for any hose/pipe leaks. Replace and/or tighten the fittings to correct any hydraulic leaks found.
- Check the fluid level of the pump reservoir (with the elevator at its lowest landing) and fill as required. (Use Grade 32 Hydraulic Oil). There must be at least 1" (25 mm) of oil on the dipstick.
- Tighten any hose connections or bleeder valves found loose. Check the hydraulic cylinder (jack) for any leaks. If necessary, the packing seals may have to be replaced.
- Replace the batteries inside the control panel as indicated on the battery label.
- Activate and test the safety mechanism.