



# **Eclipse Residential Elevator**

## **OWNER'S MANUAL**

**(To Be Retained by Owner After Installation by Authorized Savaria Dealer)**

## IMPORTANT

Ensure that only an authorized Savaria dealer installs, services, and maintains the Eclipse Residential Elevator. Under no circumstances is anyone other than a dealer with Savaria training and authorization to install, adjust, service or modify any mechanical or electrical device on this lift. Failure to follow this warning can result in safety systems compromises or defeat; this can result in serious injury or death. Savaria 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 continual safe operation requires regular service and inspection at least twice per year, or more frequently where usage, environment, or local jurisdiction require. As the owner, you are responsible to ensure that regular service and inspections occur in a timely manner.

Refer to this manual for operating instructions, precautions, and usage of the Eclipse Residential Elevator.

Upon completion of installation, the dealer must provide the owner with the information below and ensure it is recorded in this manual. In addition, either the dealer or the owner must keep any service and/or maintenance records in the Maintenance Record section of this manual.

## WARRANTY

Ensure your authorized Savaria Dealer provides you with a copy of the manufacturer's limited parts warranty and documentation relating to any Dealer labour warranty.

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### FOR OWNER'S RECORDS

Customer Name: \_\_\_\_\_

Installing Dealer: \_\_\_\_\_

Dealer's Telephone Number: \_\_\_\_\_

Date Installed: \_\_\_\_\_

Serial/Job Number: \_\_\_\_\_



# **ECLIPSE RESIDENTIAL ELEVATOR OWNER'S MANUAL**

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# 1. GENERAL SPECIFICATIONS

<b>ECLIPSE RESIDENTIAL ELEVATOR</b>	
Load capacity	750 lbs. (340 kg), 950 lbs. (431 kg), 1000 lbs. (454 kg)
Rated speed	40 feet per minute (0.20 mps) (standard)
Power supply (circuit supplied by others)	208 volt - 230 volt, single phase, 60 Hz, 20 amps, North America 220 volt - single phase, 50 Hz, International
Lighting supply (circuit supplied by others)	120 volt, 60 cycle, 15 amps
Drive system	Automatic 2HP-g geared motor roller chain variable frequency drive, complete with counterweight
Temperature operating range	- 10 °C to + 40 °C / 14 °F to 104 °F
Cab sizes	W36" x L48" x H80" (914 mm x 1219 mm x 2032 mm), Type 1, 2, 3, 4, 5 W36" x L54" x H80" (914 mm x 1371 mm x 2032 mm), Type 1, 2, 3, 4, 5 W36" x L60" x H80" (914 mm x 1524 mm x 2032 mm), Type 1, 2, 3, 4, 5 W40" x L54" x H80" (1067 mm x 1371 mm x 2032 mm), Type 1, 2, 3, 4, 5
Cab panel and finish	Solid melamine or MDF panels - standard; unfinished veneer panels - optional; finished recessed veneer panels - optional; solid hardwood raised panels - optional
Maximum travel	50 feet (12.24 m), 60 feet (18.29 m) available where code is not applicable
Control system	Relay logic controller complete with diagnostic LEDs
Levels and openings	Up to 4 stops / up to 2 cab openings
Pit depth requirement	6" (152 mm), 11" (279 mm) minimum with buffer springs
Minimum overhead clearance	96" (2438 mm) for standard 80" cab, 114" (2896 mm) for 96" cab
Hall station and control panel finish	Clear bronze anodized aluminum (standard), or stainless steel (optional), or brass (optional) Rectangular (standard) or oval (optional) hall stations, keyless (standard) or keyed (optional)
Standard features	Automatic cab on/off lighting Recessed gate pocket Digital display in cab operating panel Clear or bronze anodized aluminum cab entrance trim and handrail Data plates, capacity tags Proximity floor selection, stopping and two-way levelling Home landing feature Presentation drawings Modular rail sections Unfinished plywood sub-floor White ceiling with four incandescent pot lights

## ECLIPSE RESIDENTIAL ELEVATOR

Safety features	<ul style="list-style-type: none"> <li>Cab gate safety switch</li> <li>Main controller cab wall access safety switches</li> <li>Pit run/stop switch and car top run/stop switch</li> <li>Emergency stop and alarm buttons</li> <li>Uninterruptible power supply (UPS)/battery backup system for lowering, automatic gate operation (if equipped), and electrical interlock operation and lighting in the event of a power failure</li> <li>Upper and lower terminal limits</li> <li>Motor access door (locked and switched)</li> <li>Handcrank</li> <li>Emergency lights</li> <li>Final limit switch</li> <li>Mechanical rail shoring blocks</li> <li>Sling: factory pre-assembled speedy sling, counterweight, preset slack chain safety brake, and switch</li> </ul>
Options	<ul style="list-style-type: none"> <li>96" high cab</li> <li>Rated speed - (50 fpm (0.250 mps) available where code permits)</li> <li>Accordion car gate (choice of style)</li> <li>Automatic gate operator (accordian gates only)</li> <li>Automatic gate swing landing door operator</li> <li>Buffer springs (11" pit depth minimum)</li> <li>Laminate flooring in finished oak, maple, or cherry</li> <li>Interlocks for doors by others (PORTA, Kwiklock ,or EMI)</li> <li>Keyed on/off hall stations</li> <li>Oval hall call design</li> <li>Cab interior in unfinished oak, birch, cherry, or maple veneer</li> <li>Recessed cab panels in cherry, oak, or maple veneer</li> <li>Raised cab panels in solid cherry, oak, or maple veneer</li> <li>Telephone cabinet to match car operating panel</li> <li>Custom cab size</li> <li>Ceiling panel to match walls</li> </ul>

## 2. STANDARD FEATURES

### 1) Cab Key Switch (Figure 1-A)

The key switch turns the cab controls ON and OFF. It limits the use of the elevator to authorized persons only.

### 2) Cab Operating Panel Buttons (Figure 1-B)

#### Automatic Control

The Automatic Control Panel buttons facilitate the UP/DOWN movement of the cab between landings. After pressing a landing button, the cab automatically moves to the landing.

The cab stops once it arrives at the selected landing.

### 3) Door Open Button (Figure 1-C)

The elevator door/gate closes automatically after a pre-set adjustable duration from 1 - 30 seconds. Press the Door Open button to open the door/gate once the cab is at a landing, if equipped.

### 4) Alarm Button (Figure 1-D)

Press the Alarm button to sound the alarm in case of an emergency.

### 5) Emergency Stop Button (Figure 1-E)

Press the Emergency Stop button to **Stop** the cab and activate the alarm buzzer at any time.

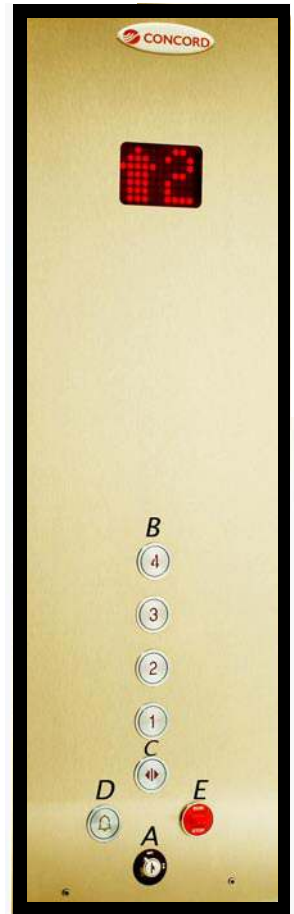


Figure 1 Cab Operating Panel

## 6) Handrail

A single handrail is on the Cab Operating Panel side of the cab.

## 7) Emergency Light

The cab emergency light remains ON in the event of a main power failure. The emergency light uses a Battery Back-Up system and includes an automatic recharger.

## 8) Landing Hall Call Station Controls

Hall Call Stations at all landings initiate the movement of the cab to the landing. An optional key switch limits the elevator's use to authorized persons only.

## 9) Landing Door and/or Gate Interlock

The Landing Door/Gate lock prevents cab movement unless the door/gate is in the shut position with the lock in place. If the door/gate is not completely shut, the cab does not move.



Figure 2 Hall Call Station

## 10) Emergency Battery Operation

In the event of a building power failure, the door/gate system includes a temporary power back-up system to allow the elevator to run down to the next available landing, or to the 1st floor landing. The lift cannot run up on battery power. Upon resuming normal building power, the back-up system turns OFF and automatically recharges.

### **3. OPTIONAL FEATURES**

#### **Outside Entrance Automatic Door Opener - Landing Door**

- a) Press the Landing Hall Call button to call the elevator. The outside landing door opens automatically once the elevator stops at the landing.
- b) Press the Remote Control (if equipped) to open the landing door once the elevator stops at the landing.
- c) The Push 'n' Go system on the automatic door opener allows the landing door to open automatically with a slight push to the door itself. The door timer is inoperative when this feature is active.

#### **Inside Entrance Automatic Gate Opener - Cab Gate**

- a) Press the Landing Hall Call button to call the elevator. The outside landing door opens automatically if equipped with an automatic door opener. The inside gate opens automatically if equipped with an automatic gate opener once the elevator stops at the landing and the outside landing door is fully open.

#### **NOTE**

If the cab is equipped with a gate, the gate must be closed after exiting the cab. If the gate is left open, all controls remain inoperable.



#### 4. OPERATING THE ELEVATOR FROM THE LANDING CONTROLS

##### Automatic Operation

- 1) Insert the key (if equipped) into the switch on the Hall Call Station and turn the key to the ON position.
- 2) Press the Hall Call button once and release. The elevator automatically comes to your landing.
- 4) If equipped with a manual landing door, turn the door handle and pull the door open.
- 5) If equipped with a manual cab gate, slide the gate open and enter the cab while closing the landing door behind you.
- 6) Once inside the cab, close the gate, insert the key (if equipped) into the key switch, turn the key to the ON position, and press the desired floor button.

##### 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**

## 5. OPERATING THE ELEVATOR FROM THE CAB CONTROLS

### Automatic Operation

- 1) Insert the key (if equipped) into the switch in the Cab Operating Panel. Turn the key to the ON position.
- 2) Press a Floor Landing button once and release. The elevator automatically travels to and stops at the Floor Landing.
- 3) Turn the key (if equipped) to the OFF position and remove the key.

#### NOTE

If the cab is equipped with a gate, the gate must be closed after exiting the cab. If the gate is left open, all controls remain inoperable.

#### NOTE

The outside landing door must be closed after exiting or entering the cab. If the outside landing door is left open, all controls remain inoperable.

## 6. POWER FAILURE AND EMERGENCY LOWERING

In the event of a power failure, the elevator includes a Battery Back-Up system that allows the user to lower the elevator from inside the cab. This device operates on batteries and activates only if a main power supply failure occurs. The following steps describe this operational sequence:

- 1) For elevators with **automatic operation**, press any Floor Landing button below the floor where the elevator currently rests.
- 2) Upon arrival at the floor, the landing door automatically unlocks.
- 3) If the door includes an automatic gate, the gate opens.
- 4) Remove the key, open the manual gate, (if equipped) and exit the cab.

## 7. EMERGENCY LIGHT

In the event of a main power failure, the emergency cab lights automatically illuminate.

## **8. MANUAL LOWERING**

In the event of a power failure, batteries lower the cab to the next level and open the doors. Should the batteries fail, use the telephone to call for help, if equipped. A technician can use the Manual Hand Crank to lower the elevator.

- 1) Instruct the person(s) in the elevator to remain calm and to stay well back from the door of the elevator. Ease their concern by telling them your intentions.
- 2) Turn the Main Disconnect Switch to the "OFF" position.
- 3) Locate the Motor Access Door, insert the Manual Hand Crank onto the motor shaft, and crank the elevator to the next lowest level.
- 4) Use the Emergency Key to open the elevator door.
- 5) To exit the cab, open the landing door and assist the passenger(s).

## **9. MAINTENANCE AND INSPECTION CHECKS**

Regular maintenance keeps the Eclipse in proper operating condition. Please remember, as the owner of this elevator, you are responsible to ensure that maintenance and upkeep occurs on a consistent and regular basis. To ensure the continual proper operating condition of your unit, have a technician inspect the following items and, if necessary, service the elevator every six months. The elevator may require additional inspections, depending on usage.

- 1) Tighten all rail and cab fastening bolts.
- 2) Lubricate the door hinges and adjust the door closure, if required.
- 3) Lubricate the rails with light grease, such as white lithium.
- 4) Inspect the travelling cable for wear. Replace if any cuts or damage to the jacket are evident.
- 5) Replace the batteries inside the control panel as indicated on the battery label.

To perform maintenance to the PORTA- Kwik-, or EMI-lock, (if equipped), call your Authorized Savaria Dealer.

**10. MAINTENANCE RECORD**

We recommend that the Owner updates the Maintenance Record after each service call.

Date	Time	Reason for Call	Comments	Dealer



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