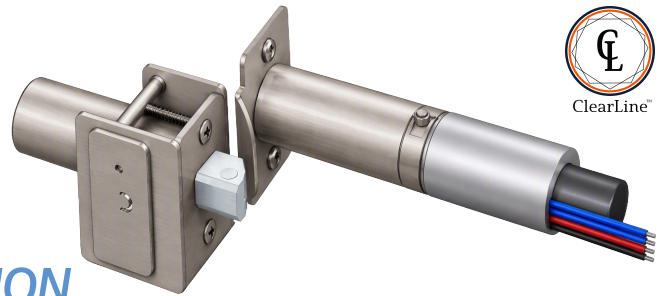


# The ClearLine™ Interlock

(PATENT PENDING)

ENGINEERED FOR INVISIBLE PROTECTION  
AND DEPENDABLE PERFORMANCE IN THE ¾ X 4 ERA.



ASME A17.1 COMPLIANT | CSA B44 COMPLIANT | NEC 620 SECTION II COMPLIANT

The **ClearLine interlock** delivers redundant safety and strict compliance without a need alter the door with significant carpentry skill while also avoiding past failure modes such as connection of the keeper to the door. By dropping smoothly into a standard 1-inch bore and only needing a drill to install, ClearLine eliminates the labor and risk of door notching or the need for complex frame systems.

The result is a flush, concealed installation that maintains the door's original architectural profile while providing safe, reliable, and clean installation with zero-resistance operation for the homeowner.

ClearLine does not rely on spring-loaded switches that fatigue, stick, or fail. It requires a true positive break to open the circuit, as required by ASME A17.1/ CSA B44 safety code. In addition, there is redundant anti-tamper circuit monitoring to ensures the elevator will only run when fully secured. Combined with manual overrides on both the landing and shaft-way sides of the door at an easy access height, ClearLine performs flawlessly when safety and access matter most.

**The choice is Clear**, this is the lock of the future for residential elevator swing doors.

## ENGINEERED FOR THE FIELD

- **Positive-Break Safety Contact**  
Direct mechanical action forces the electrical safety contact open whenever the mechanical lock disengages. The safety circuit remains open unless the lock is fully engaged, preventing false "door locked" signals and callbacks.
- **Universal Handing**  
Right-hand and left-hand universal design. This eliminates the need to track and stock multiple product variants on your service trucks, simplifying inventory and ensuring you always have the right part for the job.
- **Installer-Friendly Form Factor**  
Fits standard 1-inch door bores. Installation requires only a standard drill and a 1-inch bit. This compact design eliminates the need to cut into the face of the door, preserving the door's aesthetics and cutting installation time in half.
- **Durable, Tamper-Resistant Construction**  
Built for long-term mechanical reliability and high-cycle endurance. Engineered with precision-machined steel components to resist wear, high vibration, and user tampering over long-term operation.

## AVAILABLE FINISHES

(Standard 300mm Lead)



**Brushed Nickel**



**Bronze**



**Gold**



**Black**

Custom lead lengths and mounting configurations are available upon request.

## MECHANICAL SPECIFICATIONS

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| <b>Housing Material</b> | Plated steel with reinforced mounting flange              |
| <b>Lock Interface</b>   | Precision-machined steel latch bolt and strike components |
| <b>Mounting Profile</b> | Standard 1" door bore installation                        |
| <b>Operating Force</b>  | < 20 N (Typical)                                          |
| <b>Mechanical Life</b>  | > 100,000 cycles (Proven through endurance testing)       |

## ELECTRICAL SPECIFICATIONS

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| <b>Contact Type</b>       | Positive break, normally open (NO) safety contact |
| <b>Contact Rating</b>     | 24–48 VDC, low-current safety circuit             |
| <b>Contact Resistance</b> | < 100 mΩ (Closed)                                 |
| <b>Wiring Connection</b>  | 4-conductor insulated lead, 24 AWG                |
| <b>Lead Length</b>        | 300 mm standard                                   |

## ENVIRONMENTAL SPECIFICATIONS

|                              |                                           |
|------------------------------|-------------------------------------------|
| <b>Operating Temperature</b> | 4C through 43C Ambient (40F through 110F) |
| <b>Operating Humidity</b>    | 0-95% non-condensing                      |

## COMPLIANCE | APPLICATIONS | ORDERING

### CODE COMPLIANCE

**Designed and tested to meet strict industry safety standards:**

- ASME A17.1 Sections 2.11, 2.12, 5.3.1.8, 5.3.1.14
- Nationally Recognized Testing Laboratory (NRTL) certified by ETL (Intertek Testing Services)

### APPROVED APPLICATIONS

#### Private residence elevators

- Modernization and field retrofit projects
- Low-rise commercial accessibility lifts
- New construction projects requiring enhanced door safety reliability

### SUPPORT & SERVICE DIRECTORY

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