

Atlas ATLOCK™ SERIES

Commercial & Residential Door Interlock

BEFORE YOU BEGIN

Prior to installation of the **Atlas ATLOCK™ Series** Door Interlock, please carefully read and adhere to the following mechanical and electrical guidelines.

- The doors shall have a solid core or be reinforced accordingly.
- Complete door and interlock assembly shall not deflect more than 1/4" when a force of 100 lbs is applied on any surface of 6"x6".
- Complete door assembly shall not have a safety factor of less than 5 for normal use.
- Complete door and interlock assembly shall resist when a force of 675 lbs is applied as close as possible to the interlock.
- Complete door and interlock assembly shall be assembled in such a way that is it impossible to open the landing door from the landing side with the use of common tools.

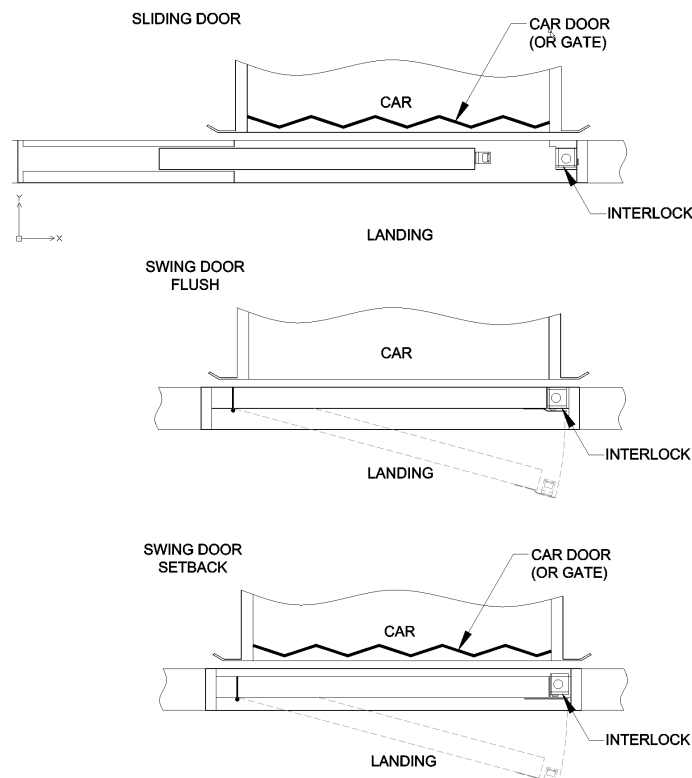
The **Atlas ATLOCK™ Series** Door Interlock is a electromechanical door interlock that rely on the supply of the solenoid circuit in order to unlock the landing door. The electrical device responsible to interrupt the supply to the solenoid circuit shall be one of the followings type:

- Positive with contacts that are positively separated mechanically, not solely dependent on springs and connected in the control circuit to prevent the supply of the drive machine if any landing door is opened or unlocked.
- SIL 3 rated device as per table 2.26.4.3.2 of B44/ASME a17.1.
- Redundant devices with a test procedure for protection in case of failure or single ground fault. Any single defect or ground fault shall not render any electrical protective devices ineffective. Any defect shall not allow to move the carriage beyond the landing zone of an open interlock contact.

MOUNTING INSTRUCTIONS

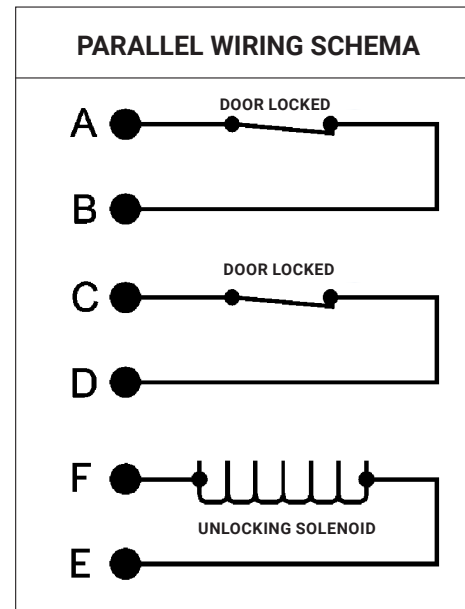
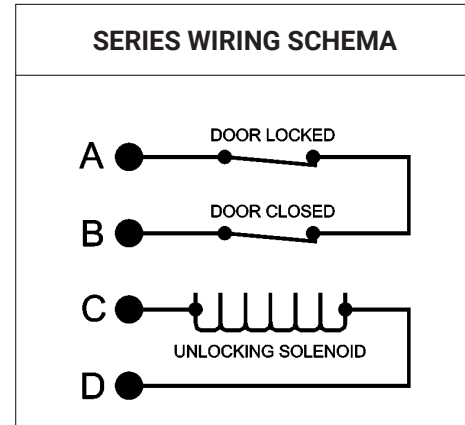
The **Atlas ATLOCK™ Series Door Interlock** shall be installed in a vertical orientation with the wire conduit facing upwards. Use the 1:1 scale mounting template on the reverse-side of this sheet.

1. Fold the paper on the foldline for the required interlock configuration
2. Place the template into the corner of the doorjamb.
3. Mark the Mounting Screw holes on the Interlock Mounting Plate
4. Mark the Mounting Screw holes on the Key Mounting Template.
5. Mark the Landing Side Key Opening Drill
6. Install the interlock per local authorities and codes using the marks made from the Mounting Template.



WIRING INSTRUCTIONS

1. Remove the front cover by removing the 4 flat head screws holding the front cover in place.
2. Carefully remove the front cover from the interlock.
3. Unscrew the wire and grounding terminal.
4. Connect the wire using the required wiring schema below (Parallel or Series).
5. Ensure that all terminal screws are tightly torqued to 4.2 to 4.6 lbs*inch.



BEFORE OPERATION OR MAINTENANCE

Before any operation or maintenance, carry the follow complete test:

- The drive machine shall not be energized under any circumstances if any landing door is unlocked or opened.
- Once installed, manual pressure in the door slab shall not open the interlock contact.
- Any component with sign(s) of fatigue, wear or alteration shall not be put into service.
- Consult the elevator manufacturer to confirm compliance with the elevator control before installing an **Atlas ATLOCK™ Series Door Interlock**.
- Consult local national codes and regulation for installation, wiring, and use of the door interlock.

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Commercial & Residential Door Interlock

GENERAL INFORMATION

Peace of mind within reach. With the **Atlas ATLOCK™ Series**, improve speed and efficiency while eliminating costs and safety concerns.

A combination of performance and safety, the **Atlas ATLOCK™ Series** Door Interlock Switch is a electromechanical device made to provide the peace of mind when operating accessibility equipment by securing the landing or elevator door in place, preventing it from being opened in potentially unsafe conditions.

It's **industry-leading design** adapts to various applications including swing or sliding doors, dumbwaiters, material lifts, lifts for mobility impaired and private residence swing-door elevators.



PERFORMANCE SPECIFICATIONS

SERVICE LIFE	10 YEARS
OPERATING TEMPERATURE	-40°C to 38°C (-40°F TO 100.4°F)
STORAGE TEMPERATURE	-40°C to 60°C (-40°C TO 140°F)
APPROVAL	Listing No. E10695
ELECTRICAL RATING	1.5A MAX., 27VDC MAX
ELECTRICAL CONTACTS	Long life (1,500,000 endurance cycles), Silver (Ag/AgSn02), Positive Openings, Snap-action., Self-cleaning.

PRODUCT RECORD

Please record your complete model number, serial number, and purchase date. You can find this information on your **Atlas ATLOCK™ SERIES**. Please have this information ready and available to help you obtain assistance or service more quickly whenever you contact your Atlas dealer concerning your product.

OWNER NAME	
MODEL NUMBER	
SERIAL NUMBER	
INSTALLER	
PURCHASE DATE	

PLEASE SAVE THIS INSTRUCTION MANUAL AND YOUR SALES RECEIPT FOR FUTURE REFERENCE.

ATLAS ATLOCK

THE INTERLOCK REIMAGINED.

⚠ IMPORTANT

Do not throw away, destroy, or lose this installation guide. The instructions included in this guide must be followed to prevent product malfunction, property damage, injury, or death to the user or other people. Incorrect operation due to ignoring instructions found in this guide can cause harm, damage, injury or death.

⚠ WARNING

Read all instructions contained in this installation guide before installing the **Atlas ATLOCK™ Series Commercial & Residential Door Interlock**. It is highly recommended to observe and adhere to all governing codes and ordinances in the job site locale. This includes ensuring all work and materials comply and conform with all authorities having jurisdictions. Proper installation is the responsibility of the installer and failure to follow all instructions renders the Atlas Limited Warranty null and void.

⚠ DISCLAIMER

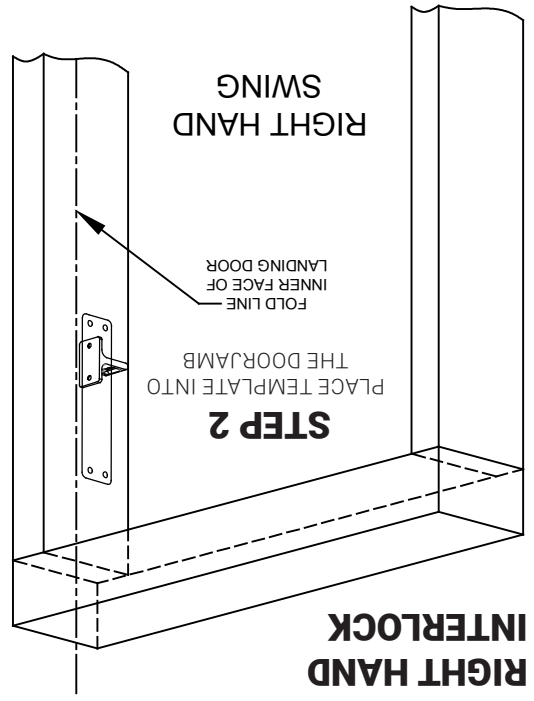
LES ESCALATEUR ATLAS, INC. (Collectively, "Les Escalateurs Atlas", "Atlas", "Manufacturer") shall not be held responsible or liable for any personal injury or property damage caused by or resulting from inappropriate operation of original product or of a product that has been modified or altered from the original ATLOCK design. No person or company is authorized to change the ATLOCK design without authorization and the express written consent of LES ESCALATEUR ATLAS, INC.

WARRANTY

When installed, operated and maintained according to all supplied instructions, including local and national codes, this limited warranty covers defects in materials and workmanship in this product within a period of 12 months from the original shipping date from the Manufacturer. This limited warranty is void if (i) the serial number label of this product has been removed, tampered with or defaced, (ii) the product is not distributed by Atlas or (iii) this product is not purchased by an authorized Atlas dealer or reseller.

LIMITED LIABILITY

The liability of Atlas during the warranty term is limited solely to the repair or replacement of defective material or workmanship by an authorized Atlas dealer at its normal place of business during normal business hours. The warranty does not include any expense of, or related to, transport of the product to an Atlas dealer, or compensation for loss of use or inconvenience while the product is being repaired. Atlas reserves the right to improve the design of any model without obligation to modify any model previously manufactured. Atlas shall not be held liable for any other expense, loss or damage, whether direct or incidental, consequential or exemplary arising in connection with the sale or use of or inability to use the Atlas product.



STEP 2

PLACE TEMPLATE INTO THE DOORJAMB

FOLD LINE - INNER FACE OF LANDING DOOR

RIGHT HAND SWING

INNER FACE OF LANDING DOOR

FOLD LINE

STEP 1 FOLD PAPER ON THE FOLDLINE

FOLD LINE

BEFORE YOU START
LINE UP YOUR ATLOCK INTERLOCK WITH THE TEMPLATE TO ENSURE THE TEMPLATE HAS BEEN PRINTED TO SCALE

Atlas ATLOCK™ Series INTERLOCK MOUNTING TEMPLATE THIS TEMPLATE IS IN INCHES AND 1:1 SCALE.

MOUNTING SCREW $\varnothing \frac{1}{4}$ TYP.4

MARK MOUNTING SCREW HOLES ON THE INTERLOCK MOUNTING TEMPLATE

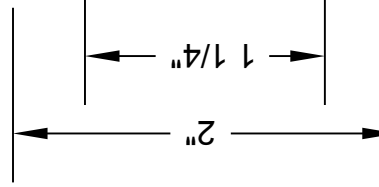
STEP 3

8 1/2"

8 1/2"

IMPORTANT

INSTALL THE INTERLOCK PER LOCAL AUTHORITIES AND CODES.

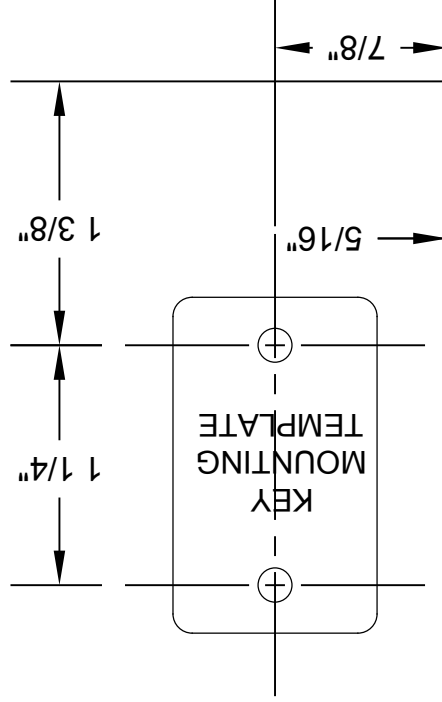


INTERLOCK MOUNTING TEMPLATE

7 1/2"

LANDING
RUNWAY

7/8"



KEY MOUNTING TEMPLATE

1 1/4"

1 3/8"

5/16"

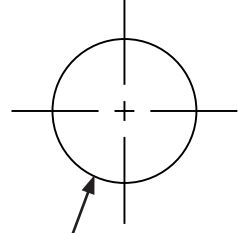
STEP 4

MARK MOUNTING SCREW HOLES ON THE KEY MOUNTING TEMPLATE

MARK MOUNTING SCREW ON THE LANDING SIDE KEY OPENING DRILL

STEP 5

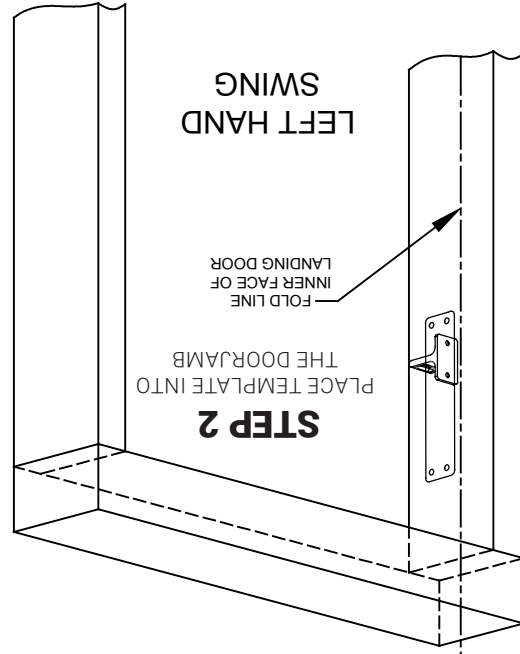
LANDING SIDE KEY OPENING DRILL $\varnothing \frac{3}{4}$ "



FOLD LINE

STEP 1 FOLD PAPER ON THE FOLDLINE

FOLD LINE



STEP 2

PLACE TEMPLATE INTO THE DOORJAMB

FOLD LINE - INNER FACE OF LANDING DOOR

LEFT HAND SWING

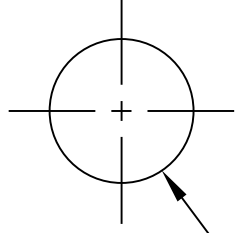
INNER FACE OF LANDING DOOR

LEFT HAND INTERLOCK

LANDING SIDE KEY OPENING DRILL $\varnothing \frac{3}{4}$ "

STEP 5

MARK MOUNTING SCREW ON THE LANDING SIDE KEY OPENING DRILL



MARK MOUNTING SCREW HOLES ON THE KEY MOUNTING TEMPLATE

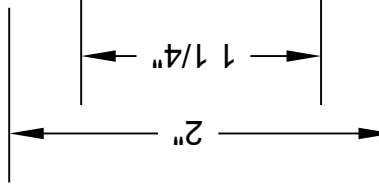
KEY MOUNTING TEMPLATE

1 1/4"

1 3/8"

5/16"

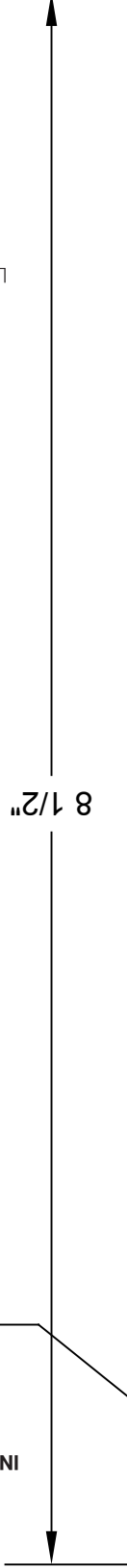
7/8"



INTERLOCK MOUNTING TEMPLATE

7 1/2"

LANDING
RUNWAY



7/8"

5/16"

1 3/8"

1 1/4"

KEY MOUNTING TEMPLATE

STEP 4

MARK MOUNTING SCREW HOLES ON THE KEY MOUNTING TEMPLATE