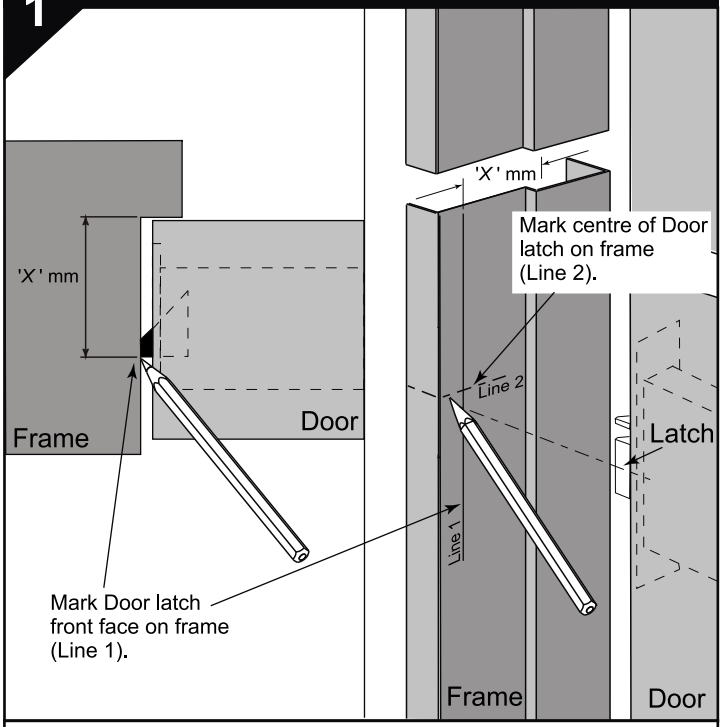
PADDE BY LOCKWOOD TRIMEC

ES2100 SERIES ELECTRIC STRIKE
INSTALLATION INSTRUCTIONS

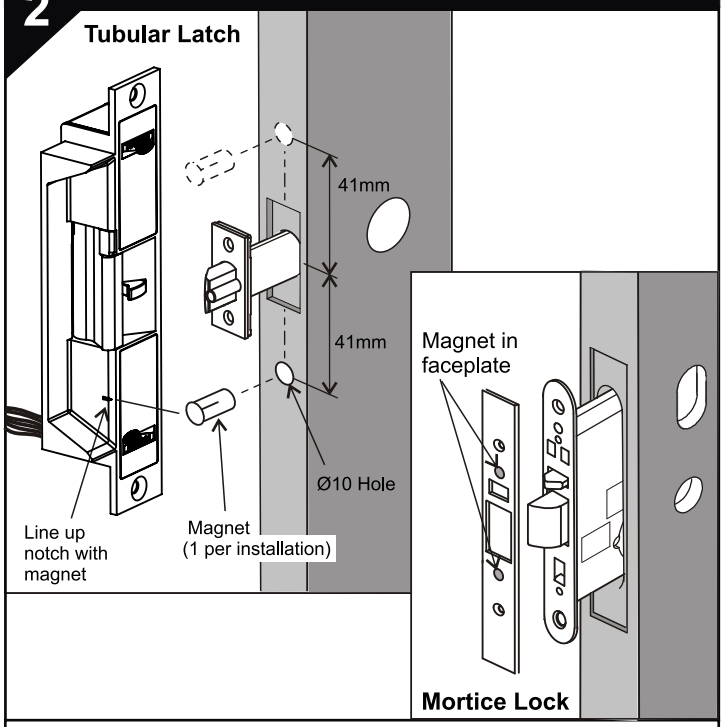
PINo. DA0103

1 MARKING OF STRIKE POSITION



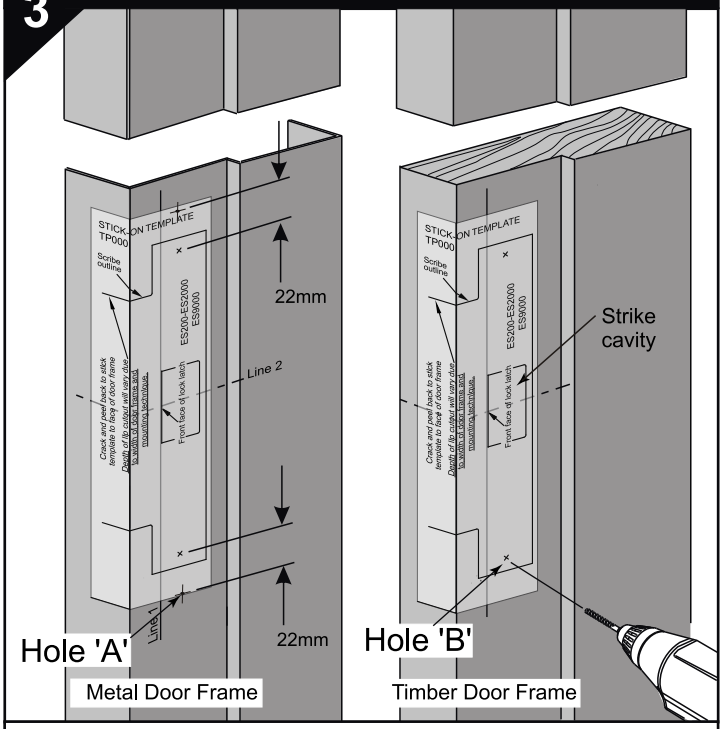
- To enable the Electric strike to be located in the door frame, first mark the position of the Door Latch front face on the door frame with the door in the closed position, ('*X*' mm).
- Mark where centre of latch meets door frame:
  - For new installations, mark frame where front of latch touches the door frame at the midpoint of the latch bolt.
  - For retrofit installations, remove existing strike plate and ensure that latch fits into and is centred in existing hole.

2 POSITIONING OF STRIKE



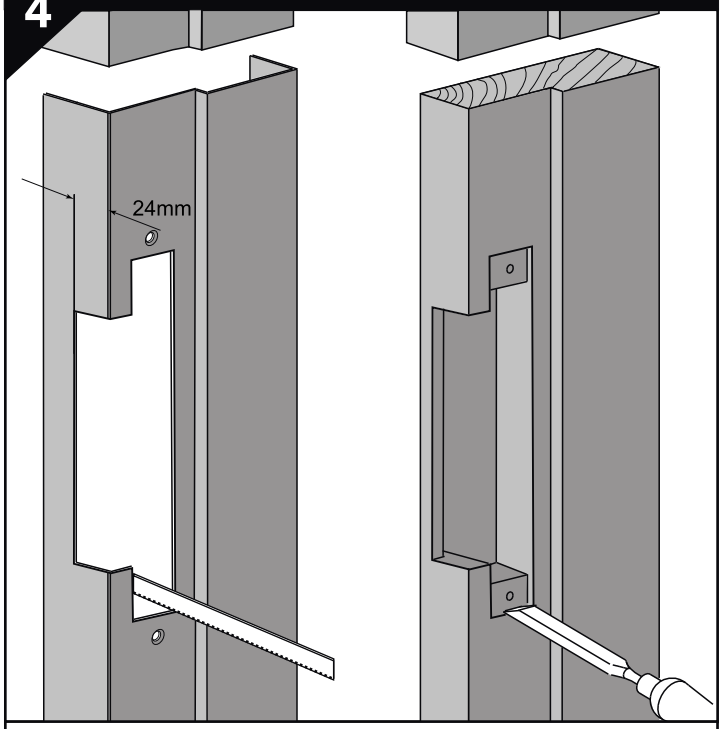
- Establish the position of the magnet on the door face.
  - For **Tubular Latches** align the magnet with the notch in the strike body. Drill a 10mm hole centrally in the door face and press fit magnet into position.
  - For **Mortice Lock** applications mount faceplate (sold separately) onto mortice lock. Ensure latch and strike position are as per previous instruction.

3 INSTALLATION OF STRIKE



- Peel backing off adhesive template and centrally locate in the marked position, lining up both the mark for the door latch front face (Line 1) and the centre mark of the latch (Line 2).
- For a metal door drill two Ø5mm holes (A) 22mm above and below the 'x' mark on the template, for a timber door drill two Ø3mm holes (B).
- Ensure secondary bolt is not within strike cavity.

4 MORTICING REBATE



- Using the template as a guide, mortice out the door frame to the required size.
- Countersink holes in metal frame to accept screws.
- For wider framed doors an Extension Lip may be required. Refer to over leaf for sizes and part numbers.

5 CHANGING MODE OF LOCK OPERATION

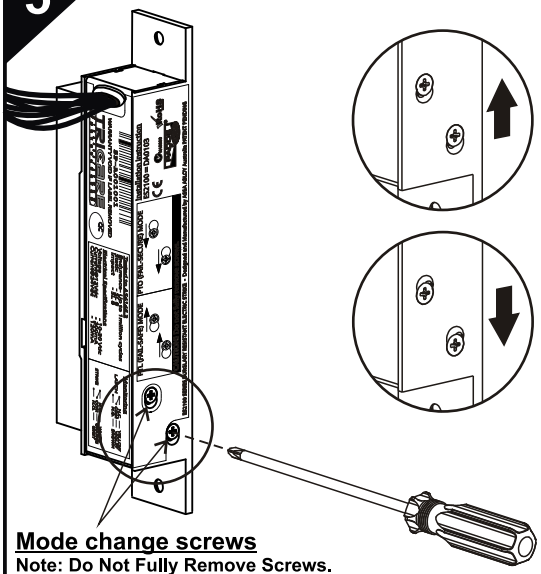


Fig. A
Power to Lock
(Fail-Safe)
Configuration

Fig. B
Power to Open
(Fail-Secure)
Configuration

Mode change screws
Note: Do Not Fully Remove Screws.

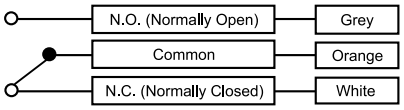
- **Power to Lock (PTL) to Power to Open (PTO) conversion.**
  Loosen mode change screws.
  Factory default setting is Power to Lock (PTL)
- Slide screws into desired position as shown:
  Power to Lock Fig. A
  Power to Open Fig. B
- Retighten mode change screws firmly.

ELECTRICAL SPECIFICATION

CAUTION! Incorrect supply voltage may cause damage not covered by warranty.

Positive (Red Wire) - 10-30Vdc
Ground (Black Wire) - 0Vdc
Current@12Vdc - 200mA
Current@24Vdc - 120mA

Solenoid Monitor Wiring: Unpowered

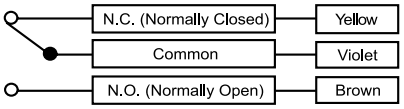


2100 Series Microswitch Monitoring

The 2100 Series Electric Strike has back EMF protection built into the product.
No external protection diode is required.

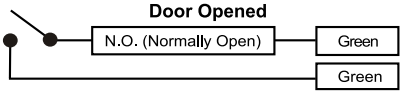
The wiring diagram for the monitoring schematic is shown below and on the back of the strike.

Latch Monitor Wiring Door Opened

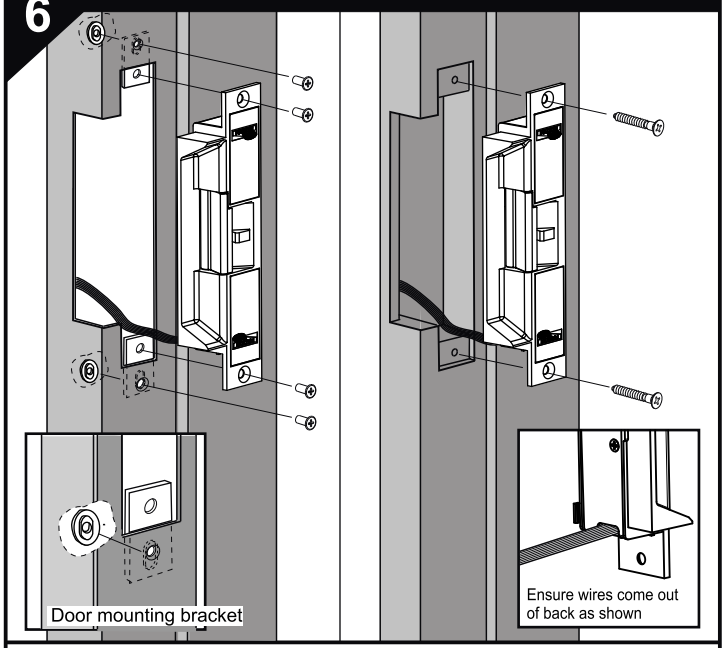


DO NOT OIL OR LUBRICATE.

Reed Switch Monitoring Door Opened

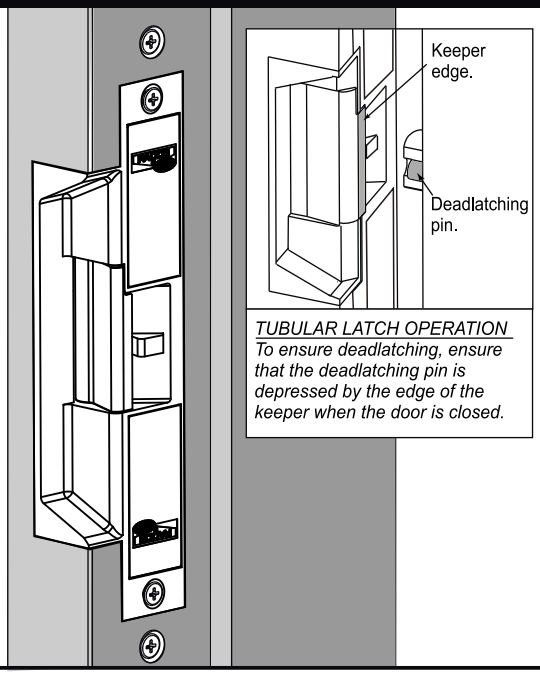


6 ASSEMBLING STRIKE



- For metal door frames fit door mounting brackets.
- Once door frame preparation is complete, temporarily fit strike into door frame to check for interference. Check that the door closes smoothly and that the latch extends fully past the strike keeper.
- When strike operates correctly with latch, remove strike from mortice and connect wiring.

7 CHECKING FUNCTION



TUBULAR LATCH OPERATION
To ensure deadlatching, ensure that the deadlatching pin is depressed by the edge of the keeper when the door is closed.

- Refit strike and secure, making sure no wires are being crushed.
- Check both mechanical and electronic operation works correctly.

Face Plate with Magnets P/No. SP3570-2100

25mm Extension lip P/No. 220200-505

50mm Extension lip P/No. 220200-506

75mm Extension lip P/No. 220200-507

The installation of a Latch guard is recommended on outward opening external doors.

5 Year Limited Warranty

ASSA ABLOY Australia guarantees for a period of 5 years in accordance with Trimec's Standard Warranty Conditions, against defects in manufacture, workmanship or materials, provided that all electrical and mechanical installation requirements are adhered to as per this datasheet. All third party and consequential claims are expressly excluded from the warranty.

WARRANTY TRICARE

RoHS

4 Hr FIRE RATED

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