LOCKWOOD
ASSA ABLOY

P/No. 3570-5721 (2)

HAND OF DOOR ACCORDING TO ENGLISH PRACTICE

RIGHT - HAND DOOR		LEFT - HAND DOOR	
OUTSIDE DOOR OPENING IN	OUTSIDE DOOR OPENING OUT	OUTSIDE DOOR OPENING IN	OUTSIDE DOOR OPENING OUT

- Lockwood 3570 Series Electric Mortice Locks should be mounted in accordance with these instructions. Locks may or may not have cylinders, LEDs or lever handles.
  Disregard instructions referring to the features not required.
- Important: Before drilling door, ensure correct hand is being installed.
- NOTE: CASE DOES NOT need to be opened, to change HAND or FUNCTION of LOCK.

1   LOCK HANDING

- Determine hand of lock required from above hand of door chart.
- Rotate bolt head to suit latching direction.

2   LOCK STATUS

- Ensure Snib Cam is exposed.
- FAIL SAFE locks (Snib Cam is exposed).
  For FAIL SECURE locks, invert the lock so the Snib Cam screw is exposed.

FAIL SAFE

FAIL SECURE

FAIL SECURE
INVERT LOCK
to reveal Snib Cam
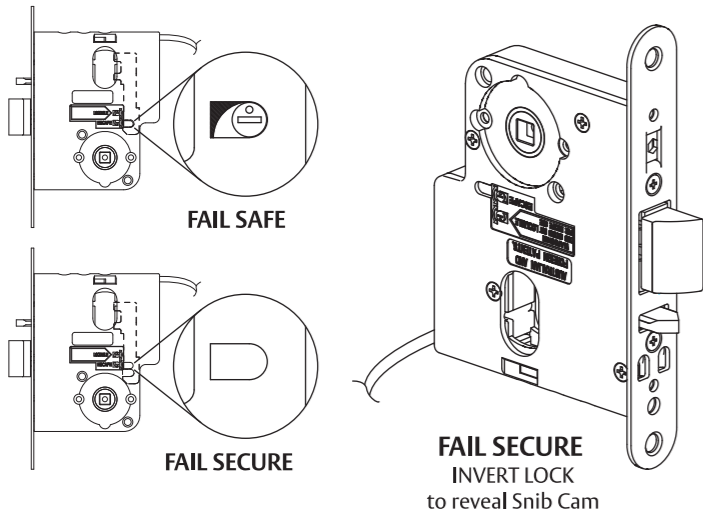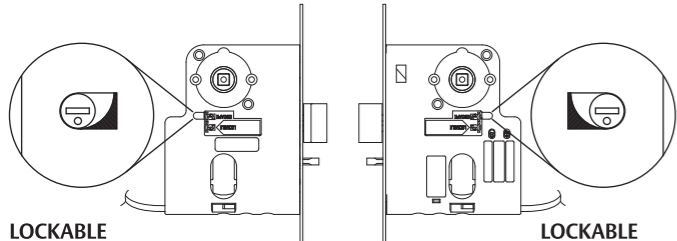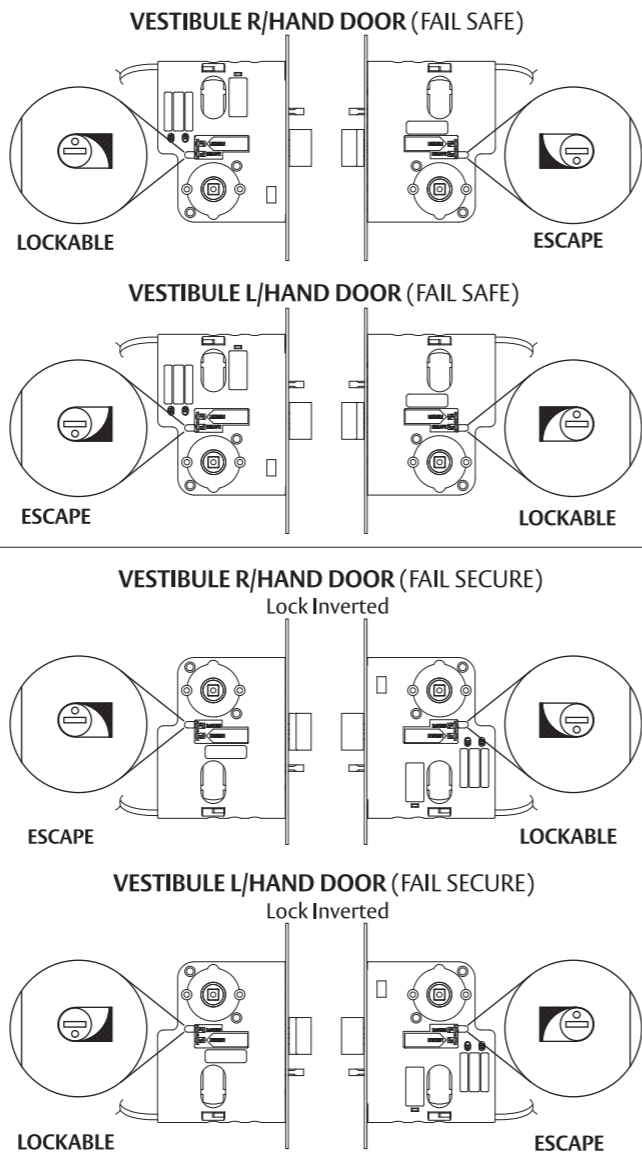
3   SETTING LOCK HANDING

- Rotation of the Snib Cam hands the lock.
  Use a small flat screwdriver to rotate cam if required.

- **Combination Locks** (Both handles are lockable).
  DOT to be in the UP position when case is upright.

COMBINATION

LOCKABLE   LOCKABLE
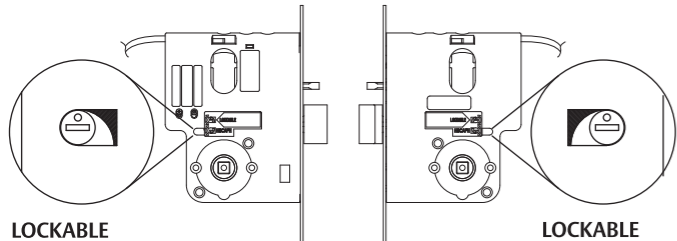
COMBINATION (FAIL SECURE)
Lock Inverted

LOCKABLE   LOCKABLE

4   SETTING LOCK HANDING (cont'd)

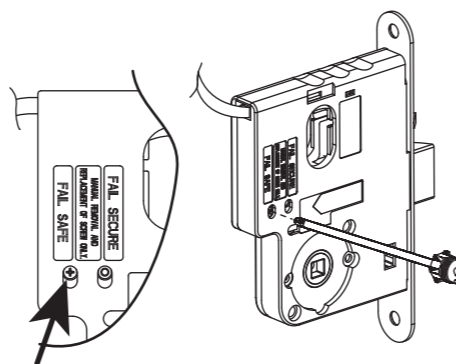**Vestibule Locks** (with single action Escape feature)
DOT to be UP on Lockable side and
DOWN on the Escape side when case is upright.

VESTIBULE R/HAND DOOR (FAIL SAFE)

LOCKABLE   ESCAPE

VESTIBULE L/HAND DOOR (FAIL SAFE)

ESCAPE   LOCKABLE

VESTIBULE R/HAND DOOR (FAIL SECURE)
Lock Inverted

ESCAPE   LOCKABLE

VESTIBULE L/HAND DOOR (FAIL SECURE)
Lock Inverted

LOCKABLE   ESCAPE

5   SELECTING FAIL SAFE / FAIL SECURE

- The lock is factory set to FAIL SAFE.
- To set to FAIL SECURE remove screw from 'FAIL SAFE' position and manually screw into 'FAIL SECURE' position.

WARNING: Do not use a power driver to tighten screw.

FAIL SECURE
FAIL SAFE

TEAR HERE

THIS IS A COMMON TEMPLATE FOR 3570 SERIES ELECTRIC MORTICE LOCKS.

BEFORE DRILLING HOLES, CHECK THAT THEY WILL SUIT LOCKSET TO BE FITTED.

127mm BACKSET
89mm BACKSET
60mm BACKSET

HOLE Ø20 FOR LED CABLE

2 HOLES Ø20 FOR CYLINDER

HOLE Ø22 FOR SPINDLE

EDGE A

WARNING

CARE MUST BE TAKEN WHEN DRILLING & AFFIXING SCREWS. SCREWS MUST NOT COME IN CONTACT WITH ELECTRICAL WIRES.

ENSURE LOCK IS REMOVED FROM MORTICE BEFORE DRILLING HOLES. DO NOT DRILL HOLES RIGHT THROUGH DOOR TO PREVENT POSSIBLE DAMAGE TO DOOR FACE.

ALLOW EXTRA CABLE LENGTH BEHIND LOCK FOR EASE OF MAINTENANCE.

FOLD LINE ALONG EDGE OF DOOR 60mm BACKSET

Mortice Centreline

7 HOLES Ø20mm x 130mm DEEP (for 60mm Backset)

FOLD LINE ALONG EDGE OF DOOR 60mm BACKSET

2 HOLES Ø20 FOR CYLINDER

HOLE Ø22 FOR SPINDLE

HOLE Ø20 FOR LED CABLE
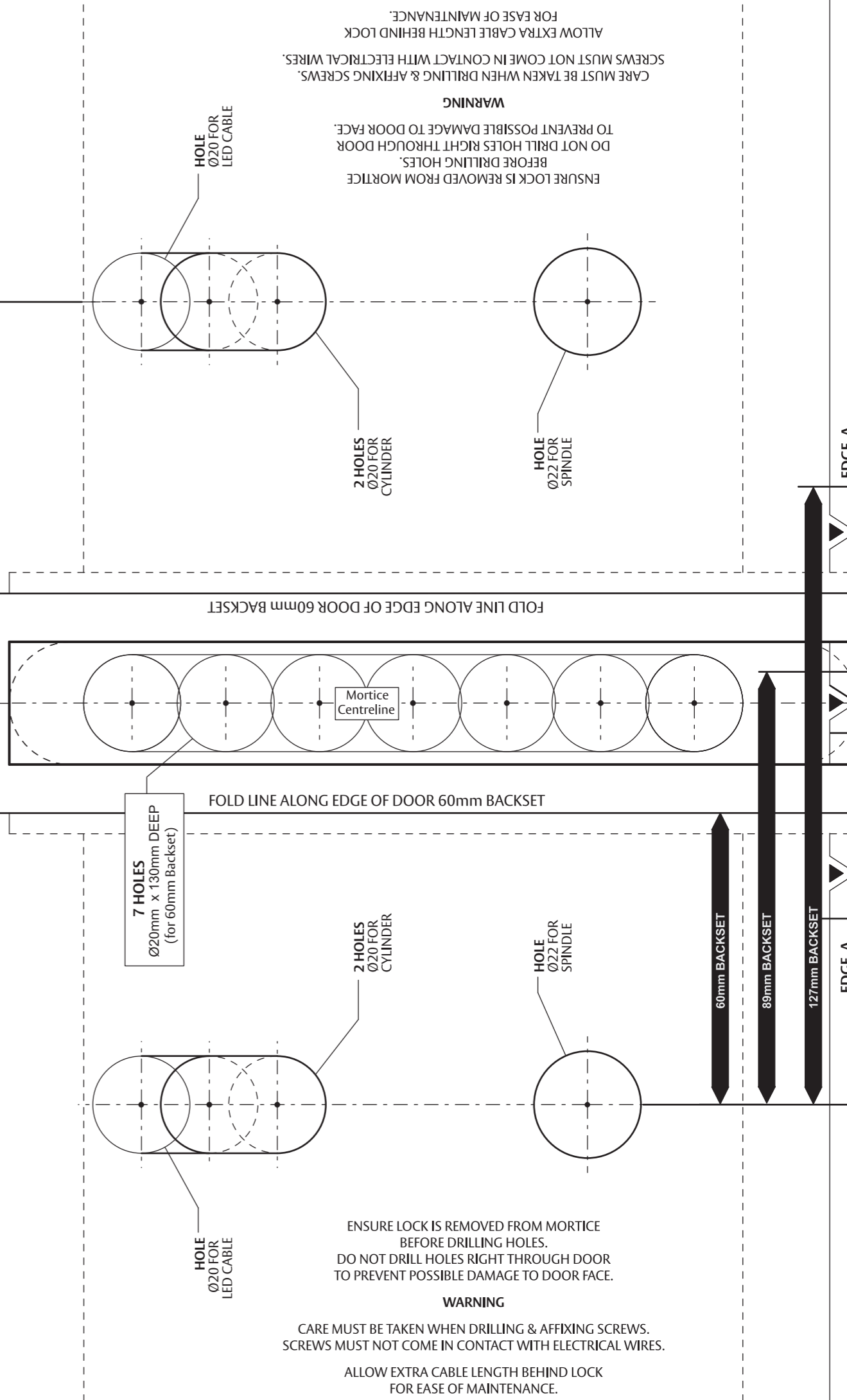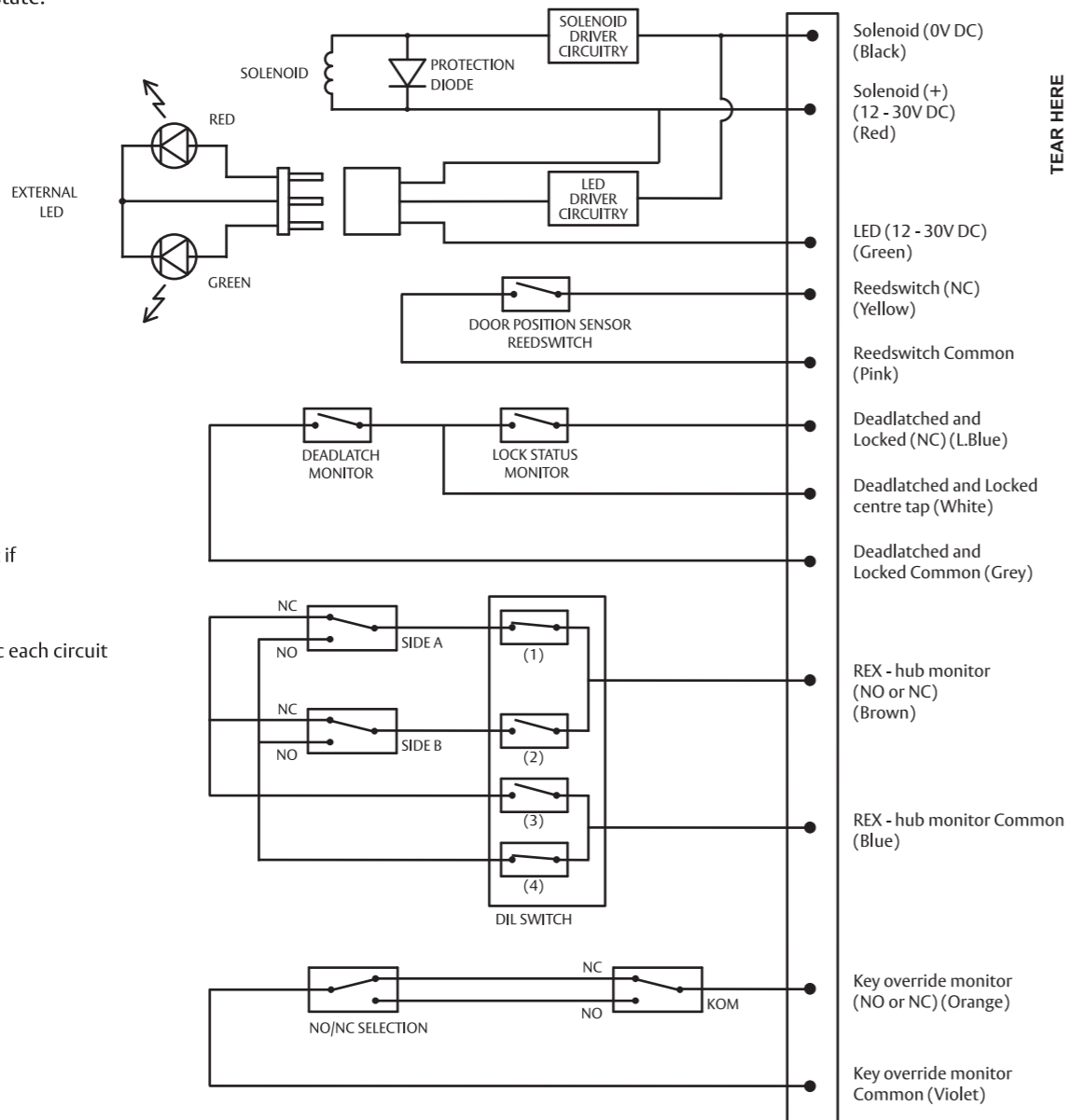
60mm BACKSET
89mm BACKSET
127mm BACKSET

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Note : Diagram depicts RH opened door, with handle & key in rest state.
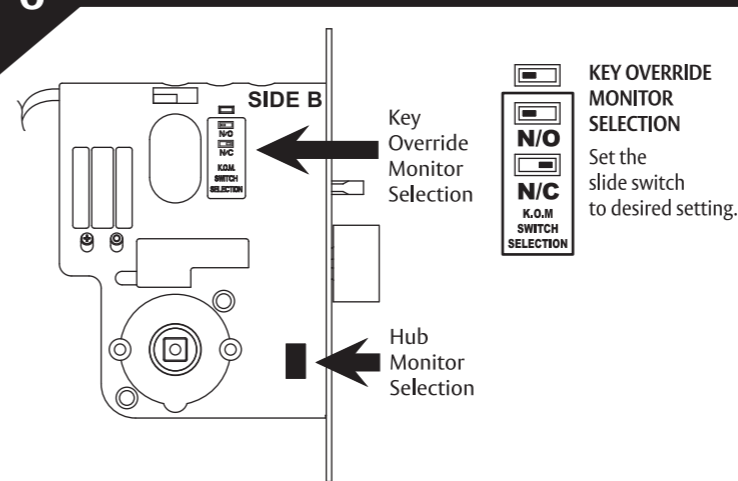

- **Solenoid Activation**
  Operating Voltage:
  12~30Vdc

  Operating Current:
  500mA Max, 80mA holding @ 12Vdc
  275mA Max, 50mA holding @ 24Vdc

- **Led Current**
  Add 20mA to Total Operating Current if LED's are fitted.

- **Monitoring Circuits**
  Microswitches: 500mA Max @ 30Vdc each circuit
  Reedswitch: 100mA Max @ 30Vdc

COLOUR	FUNCTION
Black	Solenoid (0V DC)
Red	Solenoid (+) (12 - 30V DC)
Green	LED (12 - 30V DC)
Yellow	Door Position Sensor (NC)
Pink	Door Position Sensor (COM)
Light Blue	Deadlatch and Lock Status (NC)
White	Deadlatch and Lock Status centre tap
Grey	Deadlatch and Lock Status (COM)
Brown	REX - Hub Monitor (NO or NC)
Blue	REX - Hub Monitor (COM)
Orange	KOM - Key Override Monitor (NO or NC)
Violet	KOM - Key Override Monitor (COM)

Experience a safer and more open world

ASSA ABLOY

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6 MONITOR SELECTION

SIDE B

Key Override Monitor Selection

Hub Monitor Selection

KEY OVERRIDE MONITOR SELECTION
Set the slide switch to desired setting.
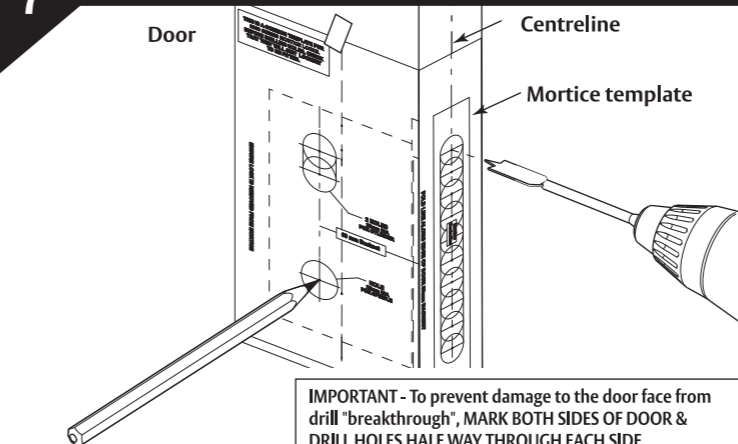
N/O
N/C
K.O.M SWITCH SELECTION

HUB MONITOR SELECTION

- Select normally open, normally closed, Lock Side A or Lock Side B monitoring configuration.

	SWITCH No.				LOCK SIDE	NORMAL FUNCTION
	1	2	3	4		
ON / OFF					A	N / C
ON / OFF					A	N / O
ON / OFF					B	N / C
ON / OFF					B	N / O

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7 DOOR PREPARATION

Door

Centreline

Mortice template

IMPORTANT - To prevent damage to the door face from drill "breakthrough", MARK BOTH SIDES OF DOOR & DRILL HOLES HALF WAY THROUGH EACH SIDE
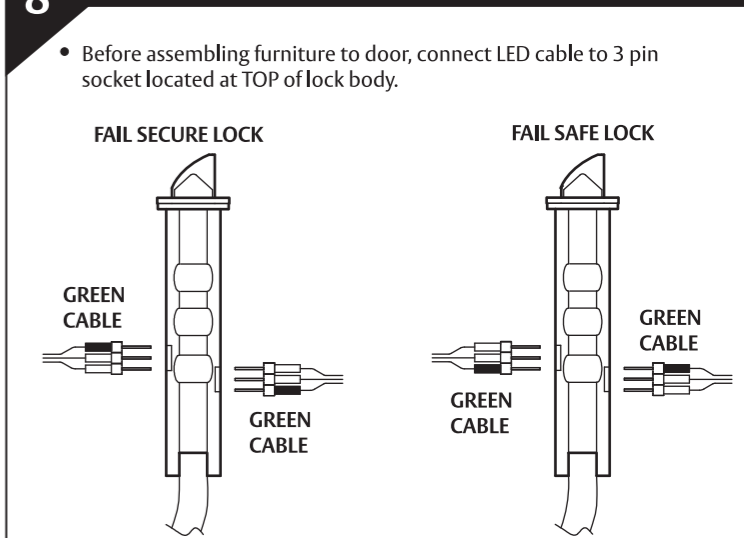
- Establish height that lockset will be mounted on door and mark centreline of door thickness on door edge.
- Place Mortice Template on door and align centreline on template with centreline on door. Secure with sticky tape.
- Mark and drill mortice to suit mortice lock depth (130mm).
- Ease out mortice cavity where necessary. Clean out mortice before inserting lock.
- **Allow space for extra cable length behind lock for ease of maintenance.**

Cover plate (Square)   Cover plate (Round)
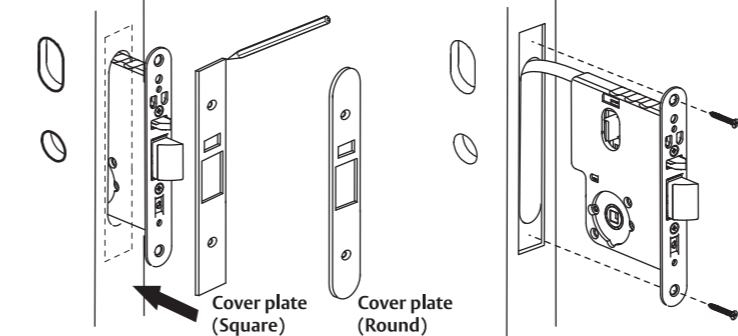
- Insert lock in mortice with Cover Plate on and scribe around Cover Plate for size of recess, ensuring that no foreign matter finds it way into the lock mechanism.
- Remove lock from mortice and chisel recess 4mm deep to receive both front and cover plate. Cover plate must be flush with edge of door.
- Ensure lock is removed from mortice cavity. Fold template along backset fold line. Align EDGE A with bottom of cover plate recess. Establish holes required to suit lock function, mark hole centres accurately, drill and clean holes.
- Drill furniture holes as required.
- Fasten mortice lock into door using mounting screws provided.

TEAR HERE

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8 FURNITURE WITH LED

- Before assembling furniture to door, connect LED cable to 3 pin socket located at TOP of lock body.

FAIL SECURE LOCK

GREEN CABLE

GREEN CABLE

FAIL SAFE LOCK

GREEN CABLE

GREEN CABLE

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9 LOCK INSTALLATION

LOCKS WITH CYLINDERS
- Using a small flat screwdriver, lever out Cylinder Hole Plug.
- Connect power plug from lock to power supply socket and place lock in mortice and insert cylinder.
- Secure cylinder with retainer pin, ensuring pin is flush with front plate.
- Secure lock to door with 2 x screws supplied.
- Install cover plate and secure with 2 x M4 screws to lock body.

LOCKS WITHOUT CYLINDERS
- Connect power plug from lock to power supply socket and place lock in mortice.
- Secure lock to door with 2 x screws supplied.
- Install cover plate and secure with 2 x M4 screws to lock body.

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10 SPINDLE INSTALLATION

- All locks are supplied with spindles.
- Insert spindle(s) into lock, as required.
- Assemble furniture as required.
- Ensure furniture is not over-tightened.

IMPORTANT :
Attach spindle spring to rear of spindle before assembling

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11 MOUNTING STRIKE AND MAGNET

- Mark out door frame for strike.
- Mortice door frame for strike box and strike.
- Bolt recess to be 15mm deep in door frame.
- Screw strike and strike box to door frame with 2 x screws supplied.
- Drill Ø19mm hole x 25 deep, 62mm above strike centreline.
- Insert magnet in hole.

62mm