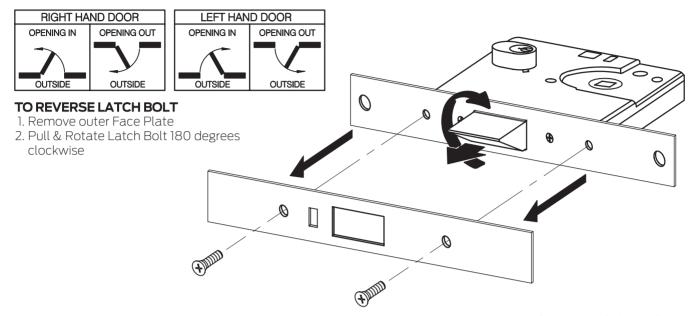


FEL990 Series Electric Mortice Lock Installation Instructions



If the handing and locking function selector is not visible through the view hole - the lock is set for Fail Secure (FSE). To make the handing and locking function selector visible, use the holdback clip - see overleaf for Fail Safe (FSA) Fail Secure (FSE) selection.

HANDING AND LOCKING FUNCTION SELECTION

For left hand VESTIBULE Push in and turn clockwise

Set selector as shown



For right hand VESTIBULE

Push in and turn anti-clockwise

Set selector as shown



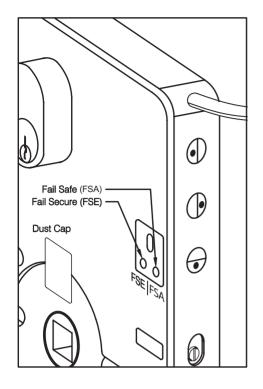
To set for COMBINATION

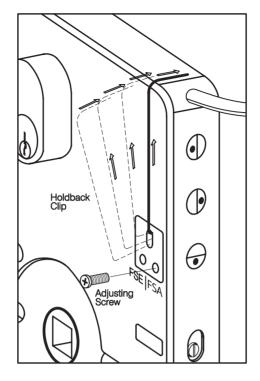
(Both handles lockable)

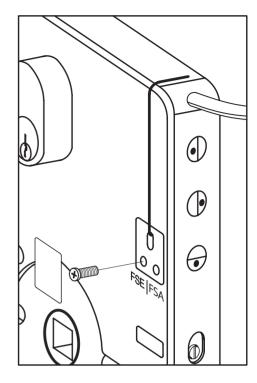
Set selector as shown



FAIL SAFE (FSA) / FAIL SECURE (FSE) SELECTION



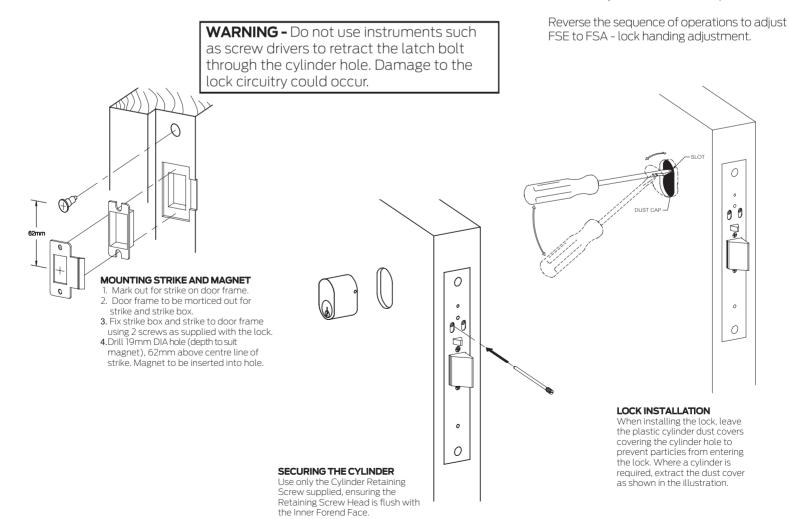


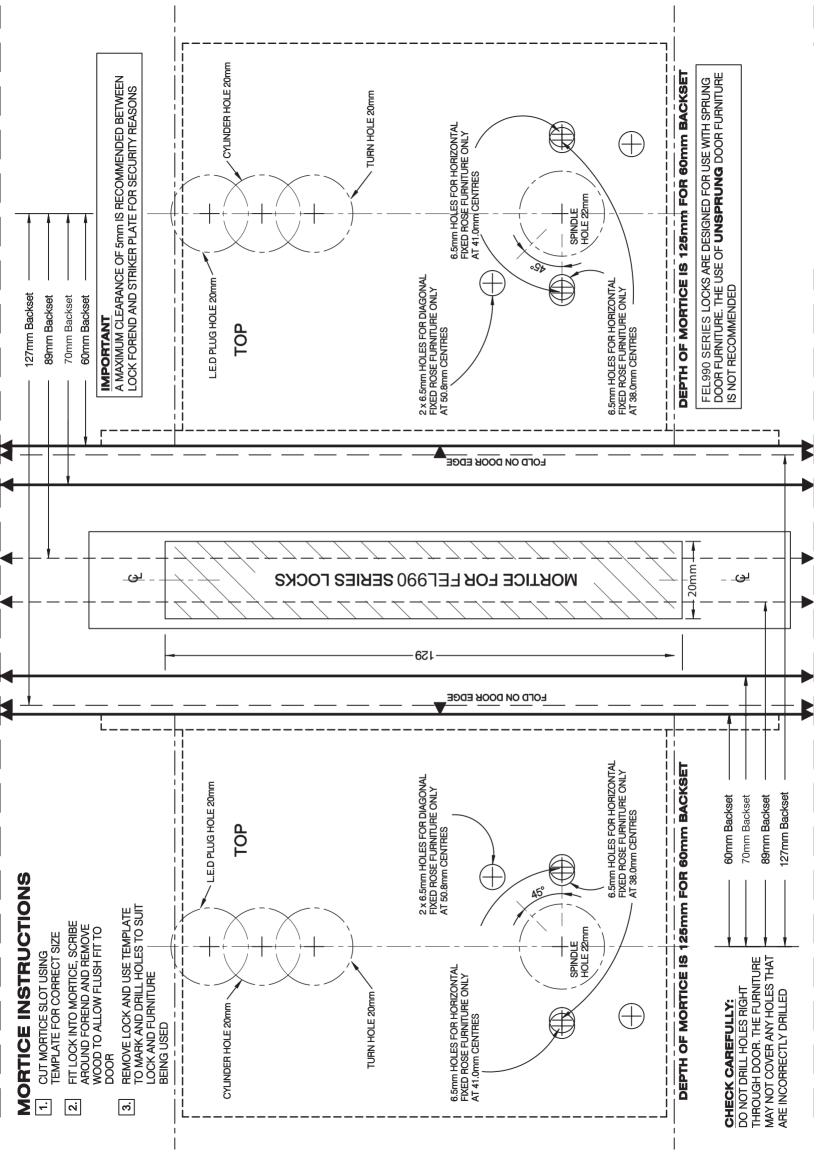


Check that Fail Safe (FSA) / Fail Secure (FSE) function is set to your requirements by first removing the dust cap. The correct FSA / FSE function must be set before setting the vestibule / combination handing function - see detail.

To adjust FSA to FSE, unscrew the adjusting screw and using the FSA / FSE handing holdback clip position the sharp right-angled wire into the lock cap holdback slot and gently pull back the FSA | FSE mechanism to the end og the slot and position the opposite (radius) and of the holdback clip over the lock case.

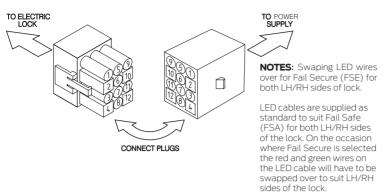
The FSE adjusting screw position is now exposed. Lightly nip the adjusting screw into its new FSE position. Adjust the vestibule / combination handing function to your requirements following the instructions on the back of the lock case – see detail. Unclip the FSA / FSE handing holdback clip and replace the dust cap. FSA / FSE – lock handing function adjustment is now complete.





12 PIN PLUG CONNECTION

(3m of cable supplied as standard)



FEL990 Series Monitoring Functions

Door Position Monitoring by Reed Switch

Lock Status Monitoring by a combination of 3 locking perimeters · Locking Bar (Hub/Handle/s locked)

- · Deadlatching Bolt (suppressed)
- · Latchbolt (out)

Dual Key Override Monitoring (KOM)

Request to Exit (REX) via Hub/Handle(s)

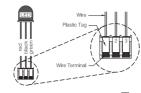
LED Indication

FEL990M (12 Pin) Wire Connection Diagram Lock Status : Door Open at Rest Unlocked (Fail Safe) Solenoid 12-24VDC Swap LED Lead: for Fail Secure DIP 3 nd Operation (RH) Key Override DIP2 <u>(5</u> (3) (12) www.fshlocking.com.au

This product is the subject of any one or more of the following patents, NZ299577, AU717917, NZ529951, NZ535262, NZ534706, NZ534938, NZ537284, NZ534626.

LOCK INSTALLATION

(swapping LED wires)



SWAPPING WIRES

Gently lift plastic tag holding terminal & slide wire terminal from plug. To insert wire terminal, slide back into plug.



FAIL SAFE (FSA) SELECTION





FAIL SECURE (ESF) SELECTION

Electrical Specifications

Solenoid Activation

12-24V DC 350mA momentary, 100mA max operating Including LED if applicable

Lock Secure Status/Key Override Monitor

Microswitch max. rating 500mA @30V DC

Door Status Monitor

Magnetic Reed Switch 100mA operating

Plug arrangement

12 pin plug with 3m cable

Request to Exit (REX) Switches

Microswitches max.rating 1A @125VAC

PIN	Colour	Function
1	Black	O VDC
2	RedSolenoid	black
3	Light Blue	Solenoid, lath and deadbolt lock/unlock
4	Blue	Hub monitor (handle) (RH/LH, NO/NC)
5	Grey	Solenoid, lath and deadbolt common
6	Violet	Key override monitor (both sides)
7	Brown	Hub common
8	Pink	Reed common
9	Orange	Key override monitor
10	Yellow	Reed switch (door closed status)
11	Green	LED (+) for solenoid off 12-24VDC
12	White	Lock/unlock (secure status) centre tap

DIP Switch Settings

Dir Switch Settings										
		Switch No.								
HUE	3S*	1	2	3	4	5	6			
LH N	١C	-	-	OFF	ON	OFF	ON			
LH N	10	-	-	ON	OFF	OFF	ON			
RH N	٧C	-	-	OFF	ON	ON	OFF			
RH I	NO	-	-	ON	OFF	ON	OFF			
KON	1 NC	OFF	OFF	-	-	-	-			
KON	NO	-	-	-	-	-	-			

*Hub monitoring is exit side only



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