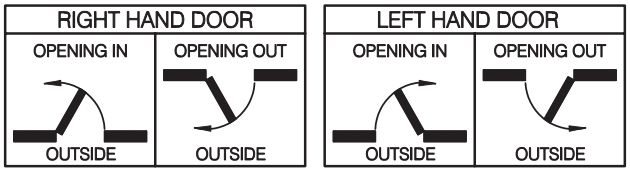
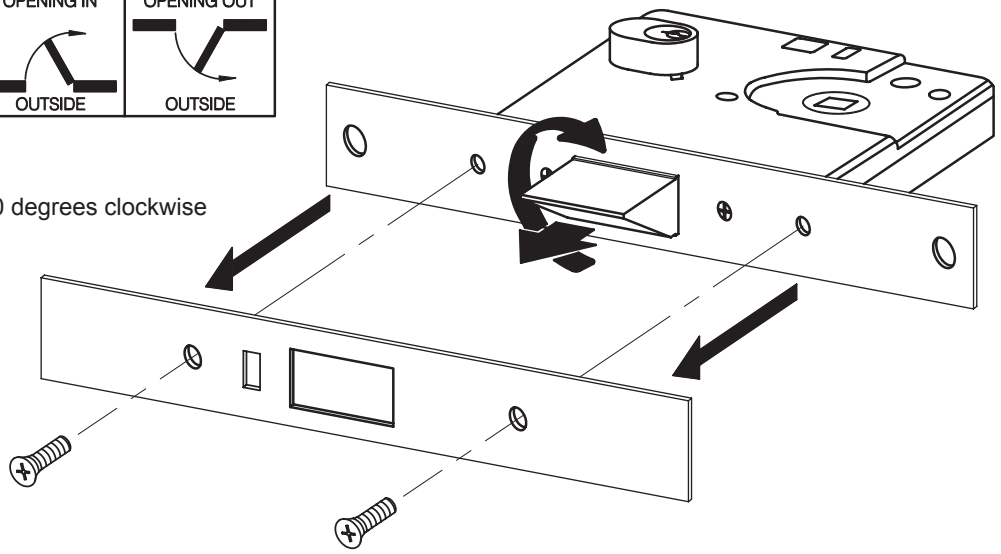
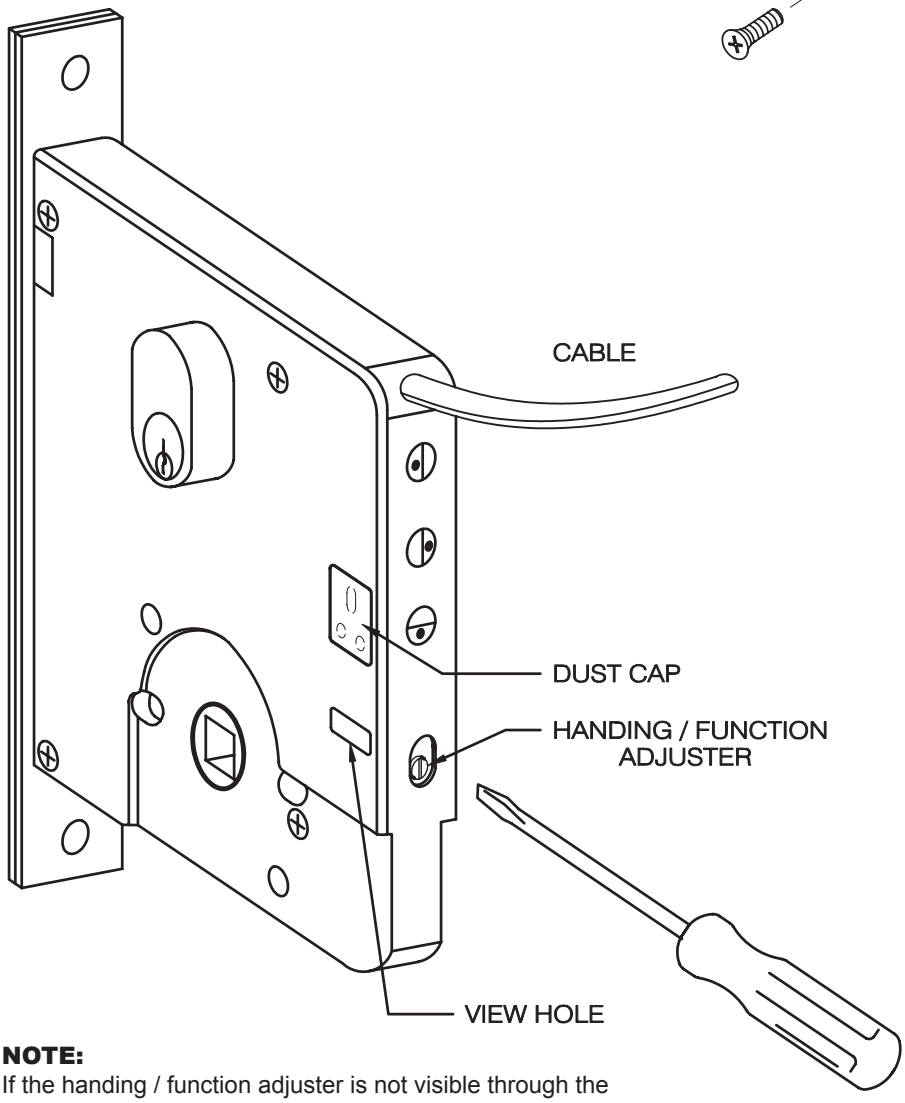
990MFEi Electric Mortice Lock Installation Instructions



TO REVERSE BOLT

1. Remove outer Forend
2. Pull & Rotate Bolt through 180 degrees clockwise





HANDING / FUNCTION SELECTION

For left hand V SERIES

Push in and turn clockwise

Set adjuster as shown

For right hand V SERIES

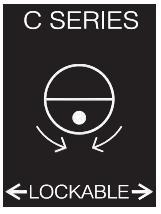
Push in and turn anti-clockwise

Set adjuster as shown

To set for C SERIES

(Both handles lockable)

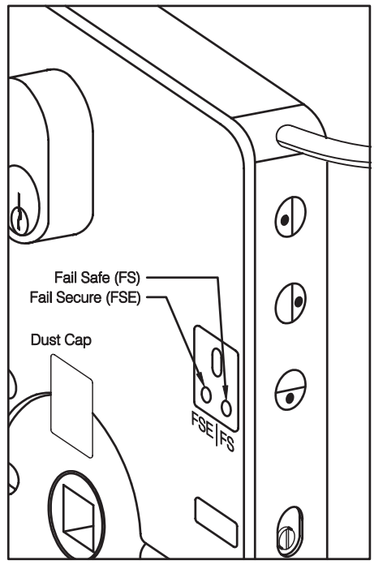
Set adjuster as shown



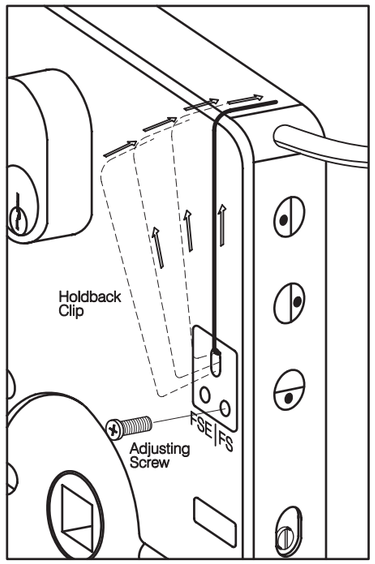
NOTE:

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

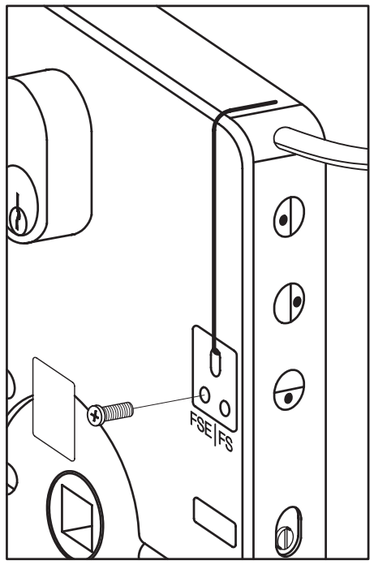
FAIL SAFE (FS) / FAIL SECURE (FSE) SELECTION



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



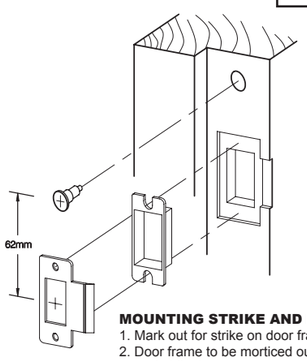
To adjust FS to FSE, unscrew the adjusting screw and using the FS / FSE handing holdback clip position the sharp right-angled wire into the lock cap holdback slot and gently pull back the FS / FSE mechanism to the end of the slot and position the opposite (radius) end of the holdback clip over the lock 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 FS / FSE handing holdback clip and replace the dust cap. FS / FSE - lock handing function adjustment is now complete.

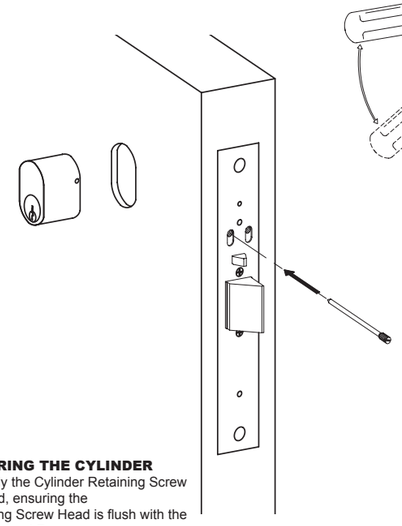
Reverse the sequence of operations to adjust FSE to FS - lock handing adjustment.

WARNING - Do not use instruments such as screw drivers to retract the latch bolt through the cylinder hole. Damage to the lock circuitry could occur.

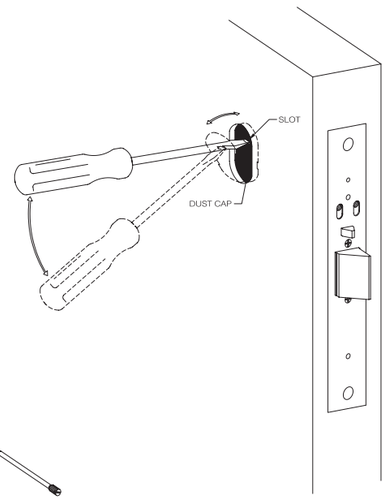


MOUNTING STRIKE AND MAGNET

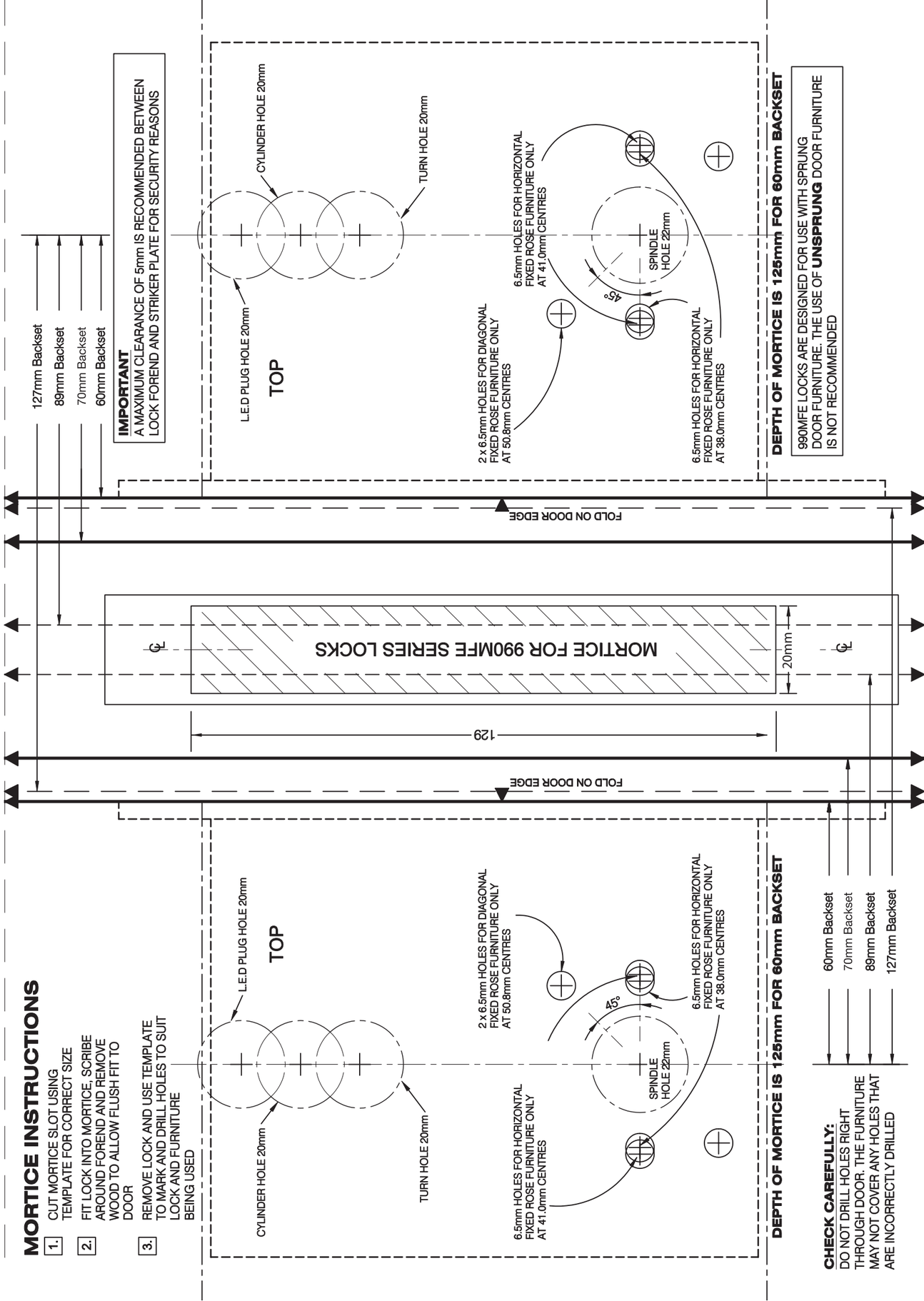
1. Mark out for strike on door frame.
2. Door frame to be morticed out for strike and strike box.
3. Fix strike box and strike to door frame using 2 screws as supplied with the lock.
4. Drill 19mm DIA hole (depth to suit magnet), 62mm above centre line of strike. Magnet to be inserted into hole.



SECURING THE CYLINDER
Use only the Cylinder Retaining Screw supplied, ensuring the Retaining Screw Head is flush with the Inner Forend Face.

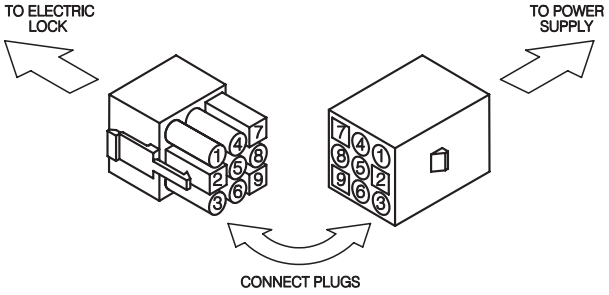


LOCK INSTALLATION
When installing the lock, leave the plastic cylinder dust covers covering the cylinder hole to prevent particles from entering the lock. Where a cylinder is required, extract the dust cover as shown in the illustration.



9PIN PLUG CONNECTION

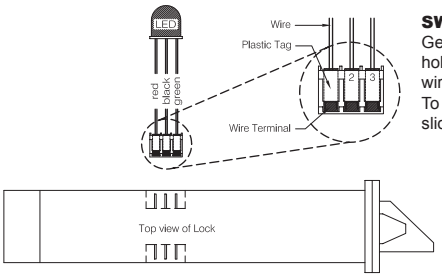
(1.6m of cable supplied as standard)



NOTE: Swaping LED wires over for Fail Secure (FSE) for both LH/RH sides of lock.
LED cables are supplied as standard to suit Fail Safe (FS) for both LH/RH sides of the lock. On the occasion where Fail Secure is selected the red and green wires on the LED cable will have to be swapped over to suit LH/RH sides of the lock.

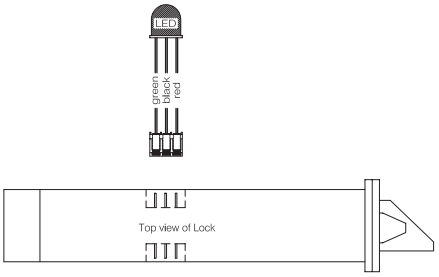
LOCK INSTALLATION

(swapping LED wires)

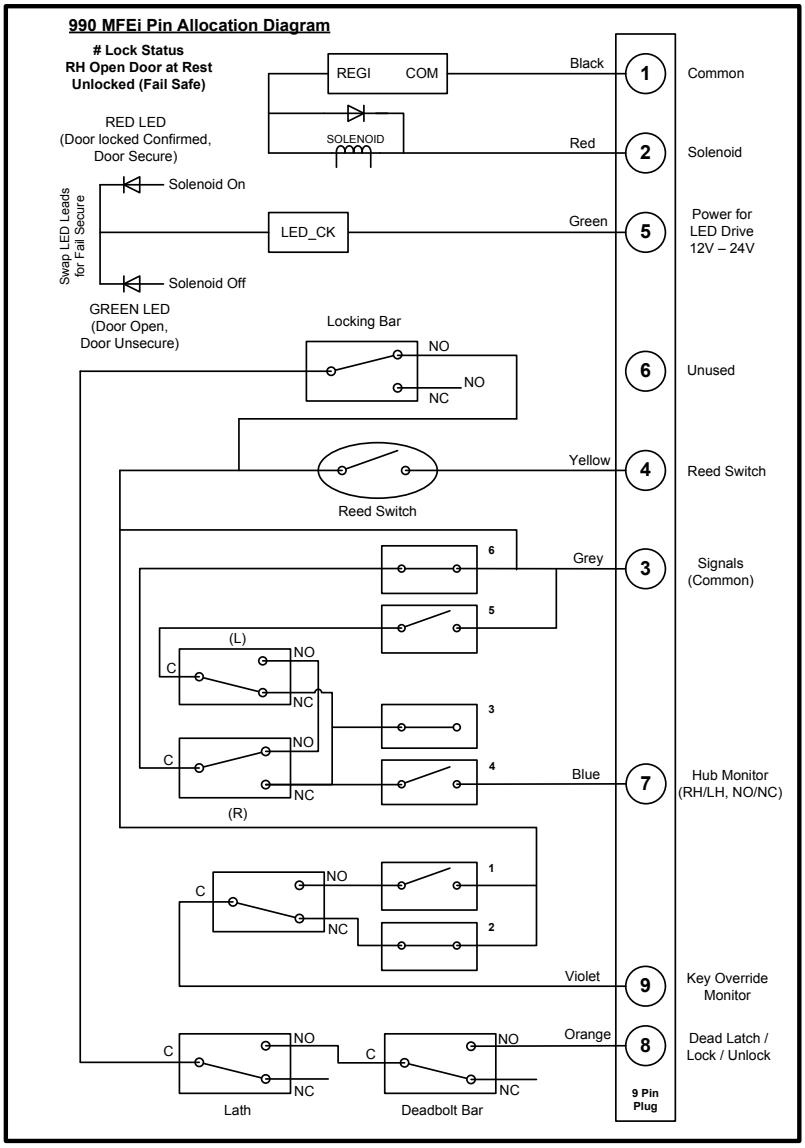


SWAPPING WIRES
Gently lift plastic tag holding terminal & slide wire terminal from plug. To insert wire terminal, slide back into plug.

FAIL SAFE (FS) SELECTION



FAIL SECURE (FSE) SELECTION



** Circuit shows right hand open door at rest.*

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

ELECTRIC SPECIFICATIONS

Hub Snib Activation (Solenoid Activiation)
12 V DC to 24V DC 350mA momentary, 100mA max. operating

Solenoid/Deadlatch/Key Override Monitor
Miniature lever microswitch max rating 500mA @ 30V DC

Door Status Monitor
Miniature magnetic reed switch 100mA operating

LED Current
LED current included as above

Plug Arrangements
990MFEi, 9 pin plug supplied with 1.6m cable

Rex Switches
Sub-miniature D2 microswitch max. rating 1A@125V AC

PIN	Colour	Function
1	Black	Common (0Vdc)
2	Red	Solenoid
3	Grey	Signals (common)
4	Yellow	Reed switch
5	Green	LED
6	Brown	Other/Internal use
7	Blue	Hub monitor (RH/LH, NO/NC)
8	Orange	Deadlatch/Lock/Unlock
9	Violet	Key override monitor

DIP Switch Settings

	Switch No.					
HUBS*	1	2	3	4	5	6
LH NC	-	-	OFF	ON	OFF	ON
LH NO	-	-	ON	OFF	OFF	ON
RH NC	-	-	OFF	ON	ON	OFF
RH NO	-	-	ON	OFF	ON	OFF
KOM NC	OFF	OFF	-	-	-	-
KOM NO	-	-	-	-	-	-

*Hub monitoring is exit side only

ALLEGION

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