

3570 Series Electric Mortice Lock

General Information

Designed and manufactured in Australia, the 3570 series electric mortice is a high performance lock of superior quality. It is constructed from high grade zinc alloy, with a stainless steel latch bolt and face plate and is suited for all commercial applications.

The lock can be operated by push buttons, intercom systems and key switches; or integrated with electronic access control systems for use with higher security devices such as keypads or card readers.

Key Features

Designed with flexibility in mind, the one lock can cover all functions and is easily configured on site for the required application.

Available in non monitored and monitored versions.

Monitoring features:

- Dead latched and Locked
- Door position/Reed switch
- Dual key override monitoring
- Request to exit/REX
- LED indication

Field Changeable settings:

- Fail safe/fail secure configuration.
- Multi-voltage - will work on 12-24 Vdc systems.
- Handing - left hand and right hand doors
- Selection of free lever or locked lever on both sides of the door
- Key override monitoring either side of the door
- Monitoring contacts – normally closed, normally open (for key override and request to exit only)



Standards and Compliance

S3 (Security) Australian Lock Standard (AS4145.2.1993)
(when used with equivalent security level keying system)

D3 (Durability) Australian Lock Standard (AS4145.2.1993)

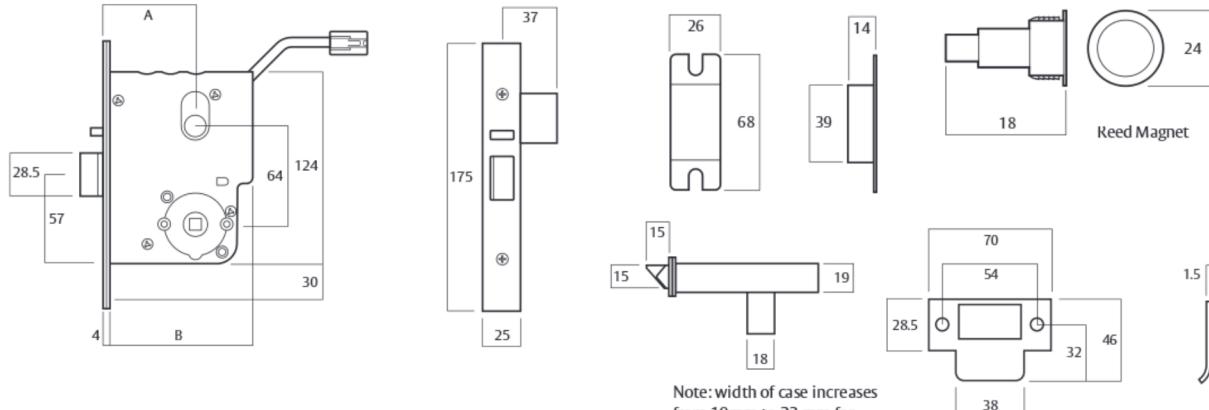
 Successfully fire rated up to 4hrs on fire door assemblies
in accordance with AS1905.1. 2005
(Part 1: Fire resistant door sets)

 C-Tick Certified

3570 Series: SCEC endorsed for intruder resistant areas

3579 Series: SCEC endorsed for secure areas

3570 Series Electric Mortice Lock



Dimension	Backset		
A	60	89	127
B	100	129	167

3570 Technical Information

Voltage	12Vdc - 24Vdc Operating Voltage
Current	500mA (max) 80mA holding @ 12Vdc 275mA (max) 50mA holding @ 24Vdc
LED Current	When LED's are fitted, add 15mA (max) to total current draw
Monitoring	Dual Key override Deadlatched Locked Door closed Request to exit Microwithes: 500mA (max) @ 30Vdc each circuit. Reedswitch: 100mA (max) @ 30Vdc
Environment	Operational temperature range -20c to +60c
Case/ Cover	High purity Zinc alloy construction
Backset	60mm standard, 89 & 127 mm available
Latch bolts	Reversible with Stainless Steel construction.
Door Clearance	3– 6.5 mm
Door thickness	Standard applications 32 to 50mm.
Cylinder	Standard Lockwood oval shaped cylinders.
Cabling	1.6 metre length of cable with 12 pin socket supplied with each lock. Recommended cable: 18AWG (0.82mm ²) cable runs up to 30m.
Furniture	Compatible with Lockwood series door furniture.
Standard Finishes	Satin Chrome(SC) standard. Bright Chrome (CP) and Polished Brass(PB) finishes available

Note: For detailed electrical specifications, turn to page 5

Specification Statement

The lock should be capable of operation on voltages between 12 – 24Vdc and have a current consumption not more than 80mA (holding) @12Vdc and 50mA (holding) @24Vdc. Monitored locks must be capable of monitoring the following functions: Key override, door position / reed switch, selectable hub / Request to exit, & locking bar status. All monitoring outputs must have the ability to be wired independently. All settings – including: fail safe / fail secure, handing, hub selection must be field configurable.

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Ordering Procedure

Sample Part Number 3572ELAM2RSC is made up of several sections.
Choose your product by selecting an option from each section.

For example:

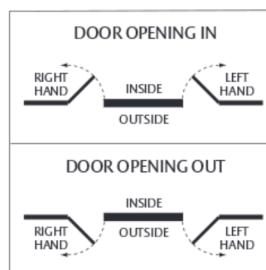
Backset	Fixing	Lock Functions	Electric Lock	Safety Function	Sub Function	Handing	Finish
3	5	72	EL	A	M2	R	SC
Backset		Lock Functions		Safety Function		Right Handing	
60 mm	3	Primary lock	70	Fail Safe (Power to lock)	A	Right Handing	R
89 mm	4	Vestibule lock	72	Fail Secure (Power to unlock)	E	Left Handing	L
127 mm	5	Combination lock	74				
		Secure Area Rated Lock	79				
Fixing		Electric Lock		Sub Function		Finish	
Standard	5	Electric Lock	EL	Non-monitored lock (0 Cylinders)	N0	Satin Chrome	SC
				Non-monitored lock (1 Cylinders)	N1	Chrome Plate	CP
				Non-monitored lock (2 Cylinders)	N2	Polished Brass	PB
				Fully monitored lock including KOM (0 Cylinders)	M0		
				Fully monitored lock including KOM (1 Cylinder)	M1		
				Fully monitored lock including KOM (2 cylinders)	M2		
				KOM- (Key override monitored)			

Backset Nominate backset as required, eg 60mm	3
Fixing Select the desired fixing method, eg Standard Fixing 35	35
Lock Function Select function, eg Vestibule Lock	3572
Electrical Variant Indicate that this is an Electric Lock	3582EL
Safety Function Select whether lock should be Fail Secure or Fail Safe, eg Fail Safe	3572ELA
Monitoring and Key Override Options Select monitoring and cylinders to be supplied, eg Monitored Lock with two cylinders	3572ELAM2
Handing Determine left or right handing, eg Right Handed	3572ELAM2R
Finish Specify appropriate finish, eg Satin Chrome	3572ELAM2RSC

Ordering Notes

- 3570 Primary Locks can be set to achieve all lock functions post purchase, and should be the preferred option when ordering.
- Customised locks are available upon request and incur an additional surcharge and 10 day lead time.
- See over page for Primary Lock part numbers.

Handing Chart



3570 Series Electric Mortice Lock

Ordering Notes

- Primary locks can be set post purchase to achieve all desired lock settings e.g. fail safe or fail secure, left hand or right hand, combination lock (locked both sides) or vestibule lock (locked outside & free lever inside)
- All locks are Multi-voltage 12-24Vdc
- 3570 Primary locks (std 60mm backset) are stocked items.
All other items are made to order, 10 day lead time.

Primary Electric Mortice Lock Ordering Procedure

Description - Non-Monitored	Cylinders	Part No
Electric Mortice Lock 35/0 Primary Lock 60 mm Backset Non Monitored	No Cylinder	35/0ELN0SC
Electric Mortice Lock 3570 Primary Lock 60 mm Backset Non Monitored	1 Cylinder	3570ELN1SC
Electric Mortice Lock 3570 Primary Lock 60 mm Backset Non Monitored	2 Cylinder	3570ELN2SC

Electric Mortice Lock 4570 Primary Lock 89mm Backset Non Monitored	No Cylinder	4570ELN0SC
Electric Mortice Lock 45/0 Primary Lock 89 mm Backset Non Monitored	1 Cylinder	45/0ELN1SC
Electric Mortice Lock 4570 Primary Lock 89 mm Backset Non Monitored	2 Cylinder	4570ELN2SC

Electric Mortice Lock 5570 Primary Lock 127 mm Backset Non Monitored	No Cylinder	5570ELN0SC
Electric Mortice Lock 5570 Primary Lock 127 mm Backset Non Monitored	1 Cylinder	5570ELN1SC
Electric Mortice Lock 5570 Primary Lock 127 mm Backset Non Monitored	2 Cylinder	5570ELN2SC

Description - Monitored (hub, deadlatch, solenoid, door position, key override monitoring all as standard)	Cylinders	Part No
Electric Mortice Lock 3570 Primary Lock 60 mm Backset Monitored	No Cylinder	3570ELM0SC
Electric Mortice Lock 3570 Primary Lock 60 mm Backset Monitored	1 Cylinder	3570ELM1SC
Electric Mortice Lock 3570 Primary Lock 60 mm Backset Monitored	2 Cylinder	3570ELM2SC

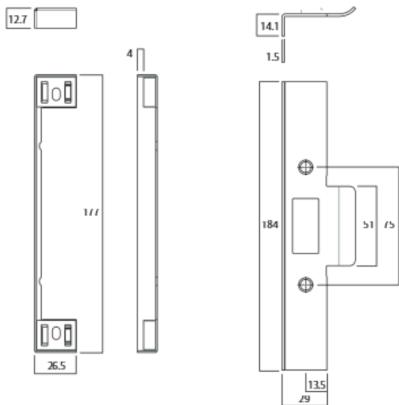
Electric Mortice Lock 4570 Primary Lock 89 mm Backset Monitored	No Cylinder	4570ELM0SC
Electric Mortice Lock 4570 Primary Lock 89 mm Backset Monitored	1 Cylinder	4570ELM1SC
Electric Mortice Lock 4570 Primary Lock 89 mm Backset Monitored	2 Cylinder	4570ELM2SC

Electric Mortice Lock 5570 Primary Lock 127 mm Backset Monitored	No Cylinder	5570ELM0SC
Electric Mortice Lock 5570 Primary Lock 127 mm Backset Monitored	1 Cylinder	5570ELM1SC
Electric Mortice Lock 5570 Primary Lock 127 mm Backset Monitored	2 Cylinder	5570ELM2SC

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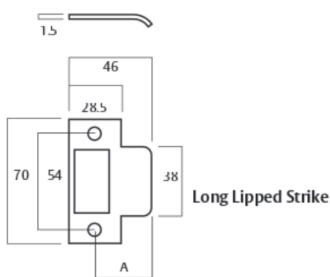
Accessories - Rebate Kits

Finish	"A"	Part Number
Chrome Plate	32 46	3P72-RK32CP 3P72-RK46CP
Polished Brass	32 46	3P72-RK32PB 3P72-RK46PB
Satin Stainless Steel	32 46	3P72-RK32SS 3P72-RK46SS



Accessories - Long Lipped Strikes

Finish	"A"	Part Number
Bright Chrome	43.5 47.5	3570-5353CP 3570-5653CP
Polished Brass	43.5 47.5	3570-5353PB 3570-5653PB
Satin Stainless Steel	43.5 47.5	3570-5253SSS 3570-5453SSS

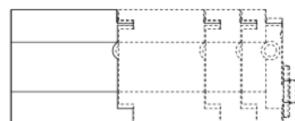
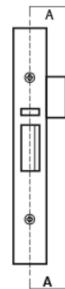


Accessories Ordering Information

Product Description	Part Number
LED assembly to suit 3570/3580 (suits furniture for monitored locks)	SP572-3129
7.5m extended 12 wire cable	SP3570-1055
9/12 wire adaptor to suit 3570 series electric lock	SP3570-5861
323mm Power Transfer Cable	LC8810
543mm Power Transfer Cable	LC8811

Extended Cylinders

Overall cylinder length required	Cylinder projection (A)	Door thickness	Extended base cylinder	7mm extension kit	10mm extension kit	24mm extension kit	32mm assembly screw	42mm assembly screw	65mm assembly screw
Standard Mortice Cylinder									
34	36	35	50				2		
41	43	50	63	1	1				
51	53	63	83	1	1	1	2		
61	63	83	103	1	1	2		2	
72	74	103	123	1	2		1	2	
82	84	123	143	1			2	2	
92	94	143	163	1		1	2		2



Extended Cylinders

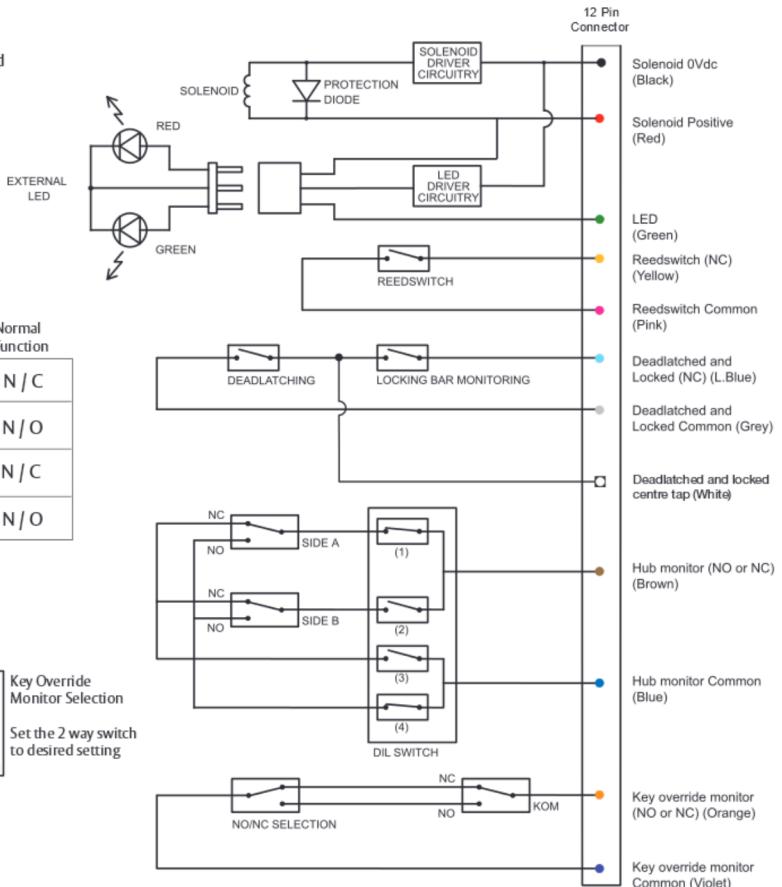
Extended cylinders should be considered when a door thickness is 50mm or greater or when the lock is mounted off centre in the door. Use Lockwood's new Modular Cylinder Extensions to produce an extended cylinder. Virtually any length cylinder can be made by stacking as many or as few extension pieces as required together and screwing them into the back of a special extended cylinder base.

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Electrical Specifications

Circuit Diagram

Note: Diagram depicts fail safe RH opened door, with handle and key in rest state.

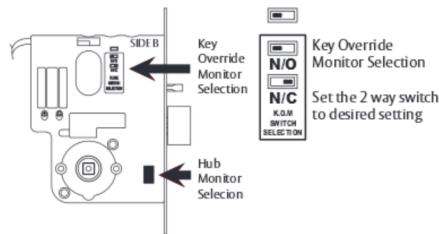


DIL Switch Settings

Hub Monitor

Switch Number	Lock Side	Normal Function
1 ON / OFF	A	N / C
2 ON / OFF	A	N / O
3 ON / OFF	B	N / C
4 ON / OFF	B	N / O

Key Override Monitor Selection



Solenoid Activation

Operating Voltage:

12 - 24Vdc

Operating Current:

500mA (max) 80mA holding @ 12Vdc

275mA (max) 50mA holding @ 24Vdc

For confirmation of the above mentioned operating current, please see installation manual.

LED Current

Where LEDs are fitted, add 20mA (max) to total operating current.

Monitoring Circuits

Microswitches: 500mA (max) @ 30Vdc each circuit

Reedswitch: 100mA (max) @ 30Vdc

Colour	Function
Black	Solenoid (0Vdc)
Red	Solenoid Positive (12Vdc - 30Vdc)
Green	LED (12Vdc - 30Vdc)
Yellow	Door closed Reedswitch (NC)
Pink	Door closed Reedswitch (common)
Light Blue	Deadlatched and Locked (NC)
Grey	Deadlatched and Locked (common)
White	Deadlatched and Locked centre tap
Brown	Hub monitor (NO or NC)
Blue	Hub monitor (common)
Orange	Key override monitor (NO or NC)
Violet	Key override monitor (common)