Electric Mortice Locks

General Information

Designed and manufactured in Australia, the 3570 Series Electric Mortice Lock 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 4 hours on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire Resistant Doorsets)
✔	C-Tick Certified
	3570 Series: SCEC endorsed for intruder resistant areas
	3579 Series: SCEC endorsed for secure areas

Note: width of case increases from 19mm to 23 mm for 3579 series SCEC lock

Reed Magnet
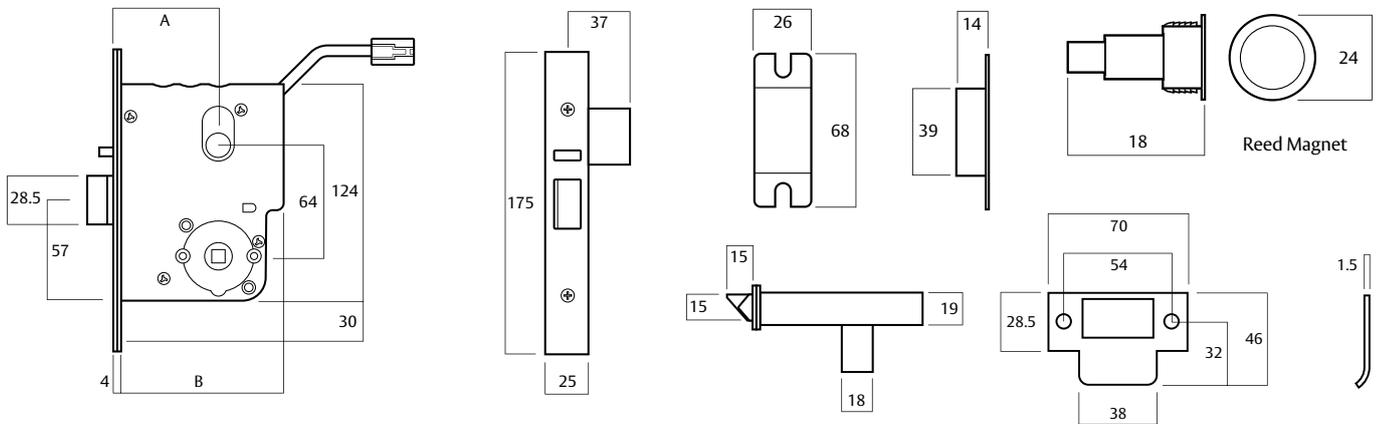
Dimension	Backset		
A	60	89	127
B	100	129	167

3570 Technical Information

Voltage	12Vdc - 24Vdc operating voltage
Current	500mA (max) 80mA holding @ 12Vdc 275mA (max) 50mA holding @ 24Vdc
LED Current	When LEDs are fitted, add 15mA (max) to total current draw
Monitoring	Dual key override Deadlatched Locked Door closed Request to exit Microswitches: 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 and 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 (0.82mm²) 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)

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 and locking bar status. All monitoring outputs must have the ability to be wired independently. All settings including fail safe / fail secure, handing and hub selection must be field configured.

Electromechanical Solutions

Electric Mortice Locks
3570 Series Electric Mortice Lock

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	
60 mm	3
89 mm	4
127 mm	5

Fixing	
Standard	5
Securafix®	6

Lock Functions	
Primary Lock	70
Vestibule Lock	72
Combination Lock	74
Secure Area Rated Lock	79

Electric Lock	
Electric Lock	EL

Safety Function	
Fail Safe (Power to lock)	A
Fail Secure (Power to unlock)	E

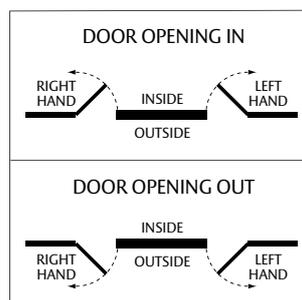| Sub Function	
Non-monitored Lock (0 Cylinders)	N0
Non-monitored Lock (1 Cylinder)	N1
Non-monitored Lock (2 Cylinders)	N2
Fully monitored Lock including KOM (0 Cylinders)	M0
Fully monitored Lock including KOM (1 Cylinder)	M1
Fully monitored Lock including KOM (2 Cylinders)	M2

Handing	
Right Handed	R
Left Handed	L

Finish	
Satin Chrome	SC
Chrome Plate	CP
Polished Brass	PB

Backset Nominate backset as required, e.g. 60mm	**3**	
Fixing Select the desired fixing method, e.g. Standard Fixing 35	3**5**	
Lock Function Select function, e.g. Vestibule Lock	357**2**	
Electrical Variant Indicate that this is an Electric Lock	3582**EL**	
Safety Function Select whether lock should be Fail Secure or Fail Safe, e.g. Fail Safe	3572EL**A**	
Monitoring and Key Override Options Select monitoring and cylinders to be supplied, e.g. Monitored Lock with two cylinders	3572ELA**M2**	
Handing Determine left or right handing, e.g. Right Handed	3572ELAM2**R**	
Finish Specify appropriate finish, e.g. Satin Chrome	3572ELAM2R**SC**	

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.
- Securafix locks are available in 60mm backset only and are made to order. 10 day lead time.
- See over page for primary lock part numbers.

Handing Chart

DOOR OPENING IN
RIGHT HAND — INSIDE — LEFT HAND
OUTSIDE

DOOR OPENING OUT
INSIDE
RIGHT HAND — OUTSIDE — LEFT HAND

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Lockwood Product Catalogue
1300 LOCK UP (1300 562 587) lockweb.com.au

For product availability please refer to the current price list, contact customer service or your local sales office.

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 and 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 3570 Primary Lock 60 mm Backset Non Monitored	No Cylinder	3570ELN0SC
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 Cylinders	3570ELN2SC
Electric Mortice Lock 4570 Primary Lock 89mm Backset Non Monitored	No Cylinder	4570ELN0SC
Electric Mortice Lock 4570 Primary Lock 89 mm Backset Non Monitored	1 Cylinder	4570ELN1SC
Electric Mortice Lock 4570 Primary Lock 89 mm Backset Non Monitored	2 Cylinders	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 Cylinders	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 Cylinders	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 Cylinders	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 Cylinders	5570ELM2SC

Electromechanical Solutions

Electric Mortice Locks
3570 Series Electric Mortice Lock

Accessories - Rebate Kits

Finish	"A"	Part Number
Bright Chrome	32	3570-2905BC
	46	3570-3905BC
Polished Brass	32	3570-2905PB
	46	3570-3905PB
Satin Stainless Steel	32	3570-2905SC
	46	3570-3905SC
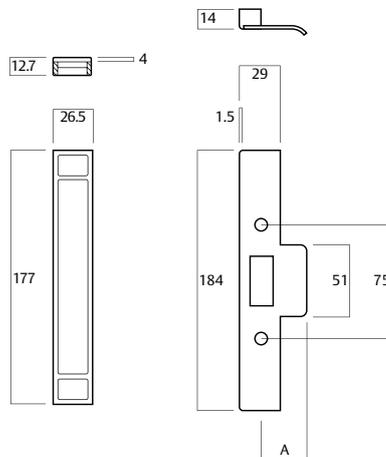
Accessories - Long Lipped Strikes

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

Long Lipped Strike
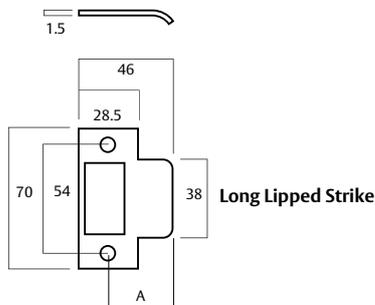
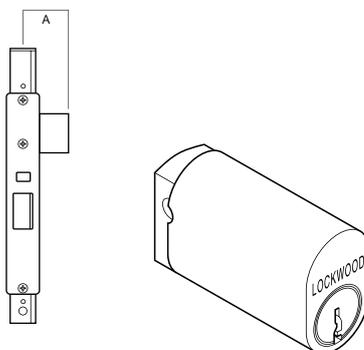### Accessories Ordering Information

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

Extended cylinders should be considered when door thickness exceeds 50 mm or when the lock is mounted off centre in the door edge. A range of cylinders is available to suit various door thicknesses. Refer to ASSA ABLOY Australia Keying and Restricted Price List for further information.

Extended Cylinders

"A" Cylinder Projection	Cylinder Length	Recommended Door Thickness
41	37	50 to 60
52	48	60 to 84
64	60	84 to 108
80	76	108 to 132
88	84	132 to 156

5.42

Lockwood Product Catalogue
1300 LOCK UP (1300 562 587) lockweb.com.au

For product availability please refer to the current price list, contact customer service or your local sales office.
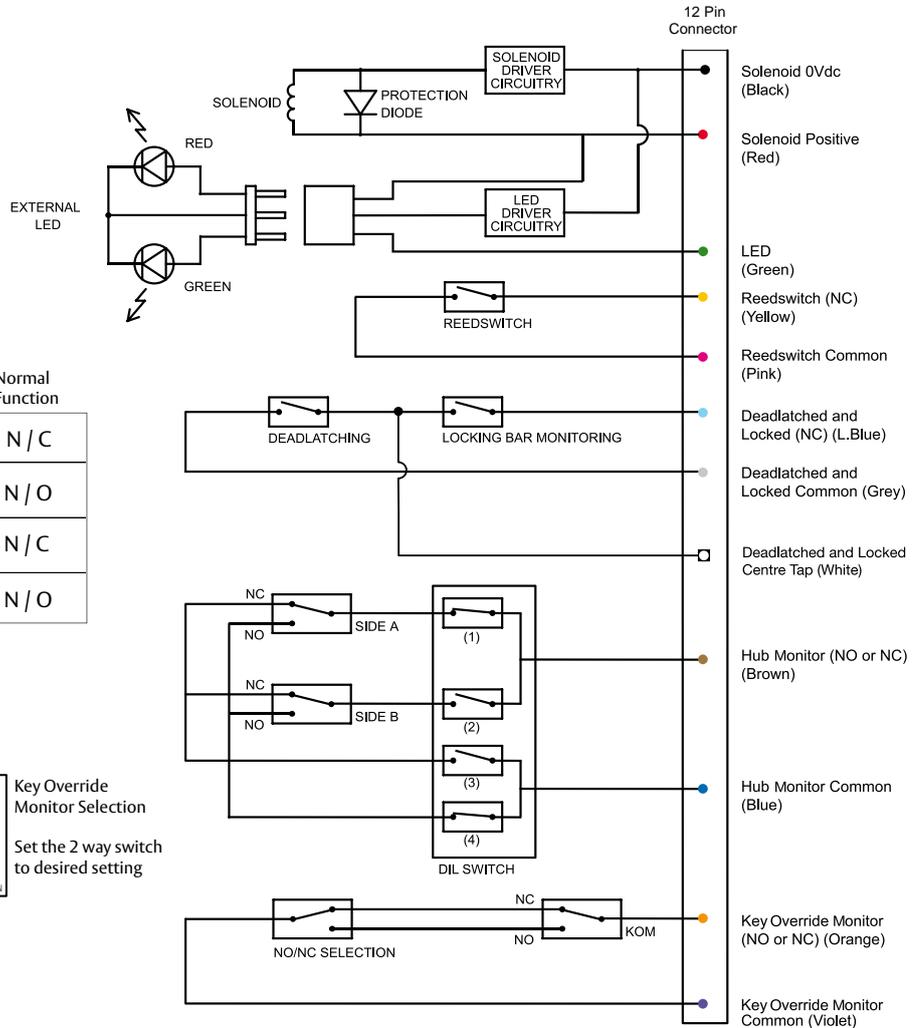
Electric Mortice Locks
3570 Series Electric Mortice Lock

Electrical Specifications

Circuit Diagram

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

12 Pin Connector

- Solenoid 0Vdc (Black)
- Solenoid Positive (Red)
- LED (Green)
- Reedswitch (NC) (Yellow)
- Reedswitch Common (Pink)
- Deadlatched and Locked (NC) (L.Blue)
- Deadlatched and Locked Common (Grey)
- Deadlatched and Locked Centre Tap (White)
- Hub Monitor (NO or NC) (Brown)
- Hub Monitor Common (Blue)
- Key Override Monitor (NO or NC) (Orange)
- Key Override Monitor Common (Violet)

DIL Switch Settings

Hub Monitor

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

Key Override Monitor Selection

Key Override Monitor Selection

Key Override Monitor Selection

N/O

N/C

K.O.M SWITCH SELECTION

Set the 2 way switch to desired setting

Hub Monitor Selection
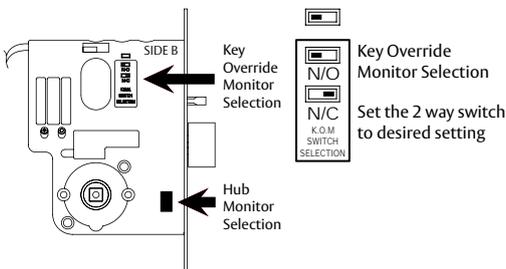
Solenoid Activation

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)

Electric Mortice Locks
3570/3670 Series Proximity Mortice Lock and Furniture

General Information

When security, safety, functionality and stylish design are a priority, there's only one solution – Lockwood Proximity Furniture!

Incorporating proximity technology within its sleek external door plate, the reader connects directly to a Lockwood Electric Mortice Lock.

Easy to install and operate, Lockwood Proximity Furniture is available in a wide range of stylish levers and finishes to enhance any contemporary building design, bringing a new dimension to commercial security locking solutions.

One Install – One Connect. Comprising the Lockwood Electric Mortice Lock, HID Proximity Reader and Door Furniture.

Proximity Furniture™ is available in standard "through fix" and Securafix specifications.

Key Features

- Integrated proximity reader -125 Khz HID Prox
- One install one connect
- Fully monitored

Monitoring Features:

- Dead latched and locked
- Door position/reed switch
- Dual key override
- Request to exit/REX

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
- LED indication
- 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 4 hours on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire Resistant Doorsets)
	C-Tick Certified

LOCKWOOD
ASSA ABLOY

Reed Magnet
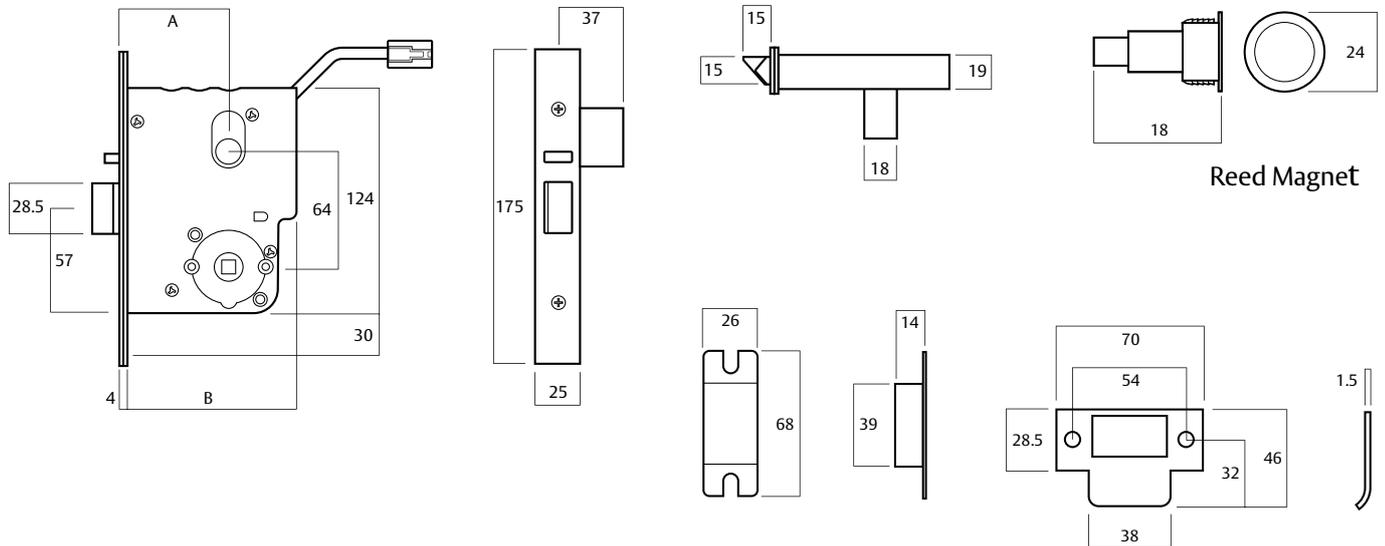
3570/3670 Technical Information

HID Reader	HID 125KHz Proximity Reader Data Output: Weigand Supply Voltage: 5-12Vdc LED: visual indication of reader / lock status
Lock Voltage	12Vdc - 24Vdc
Current	500mA (max) 80mA holding @12Vdc 275mA (max) 50mA holding @24Vdc
Indicator	LED signalling door status
Monitoring	Dual key override Deadlatched Locked Door closed Request to exit Microswitches: 500mA (max) @ 30Vdc each circuit. Reedswitch: 100mA (max) @ 30Vdc
Environment	Operational temperature range -20°C to + 60°C
Case/ Cover	Furniture: Solid brass construction Lock: High purity zinc alloy construction
Backset	Lock available in 60mm backset only
Latch Bolts	Reversible 15mm stainless steel construction
Door Clearance	3 – 6.5mm
Door Thickness	Standard applications 32 to 45mm standard
Cylinder	Standard Lockwood oval shaped cylinders
Cabling	1.6 metre length of cable with 12 pin socket Recommended cabling: 18AWG (0.82mm²) cable runs up to 30m
Mortice Lock	Compatible with Lockwood 3572PL and 3672PL Electric Mortice Lock
Standard Finishes	Satin Chrome (SC) standard, Bright Chrome (CP) and Polished Brass (PB)

Note: For detailed electrical specifications, turn to page 5.47

Specification Statement

The lock and door furniture should encompass an integrated proximity reader, capable of reading HID 125khz proximity technology with card formats up to 85bits. Operational voltage should be between 12-24Vdc. The lock must be capable of monitoring the following functions: key override, door position / reed switch, independent hub / request to exit and locking bar status. All settings including fail safe / fail secure, handing and hub selection must be field configured.

Electromechanical Solutions

Electric Mortice Locks
3570/3670 Series Proximity Mortice Lock and Furniture

Ordering Procedure

Sample part number 3570PLM0SC is made up of several sections. Choose your product by selecting an option from each section.

For example:

Backset	Fixing	Lock Functions	Proximity Lock	Monitoring	Finish
3	5	70	PL	M0	SC

Backset	
60 mm	3

Fixing	
Standard	5
Securafix®	6

Lock Functions	
Primary Lock	70

Proximity Lock	
Proximity Lock	PL

Monitoring	
Monitored Lock including KOM (0 cylinders)	M0
Monitored Lock including KOM (1 cylinder)	M1

Finishes	
Satin Chrome	SC
Bright Chrome	CP
Polished Brass	PB

Ordering Notes

- All 3570 and 3670 Series Proximity Mortice Locks are non-handed and can be set to required settings post purchase

Accessories Ordering Information

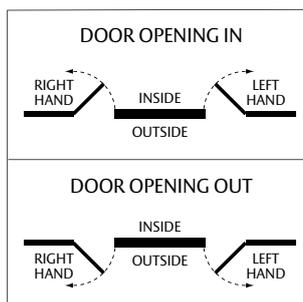| Product Description	Part Number
12 wire cable extension 7.5m length	3570-1055
125 Khz HID reader assembly for prox furniture	prox1-125khz

Proximity Furniture Ordering Procedure

Sample Part Number 1878SF70RCP55 is made up of several sections. Choose your product by selecting an option from each section.
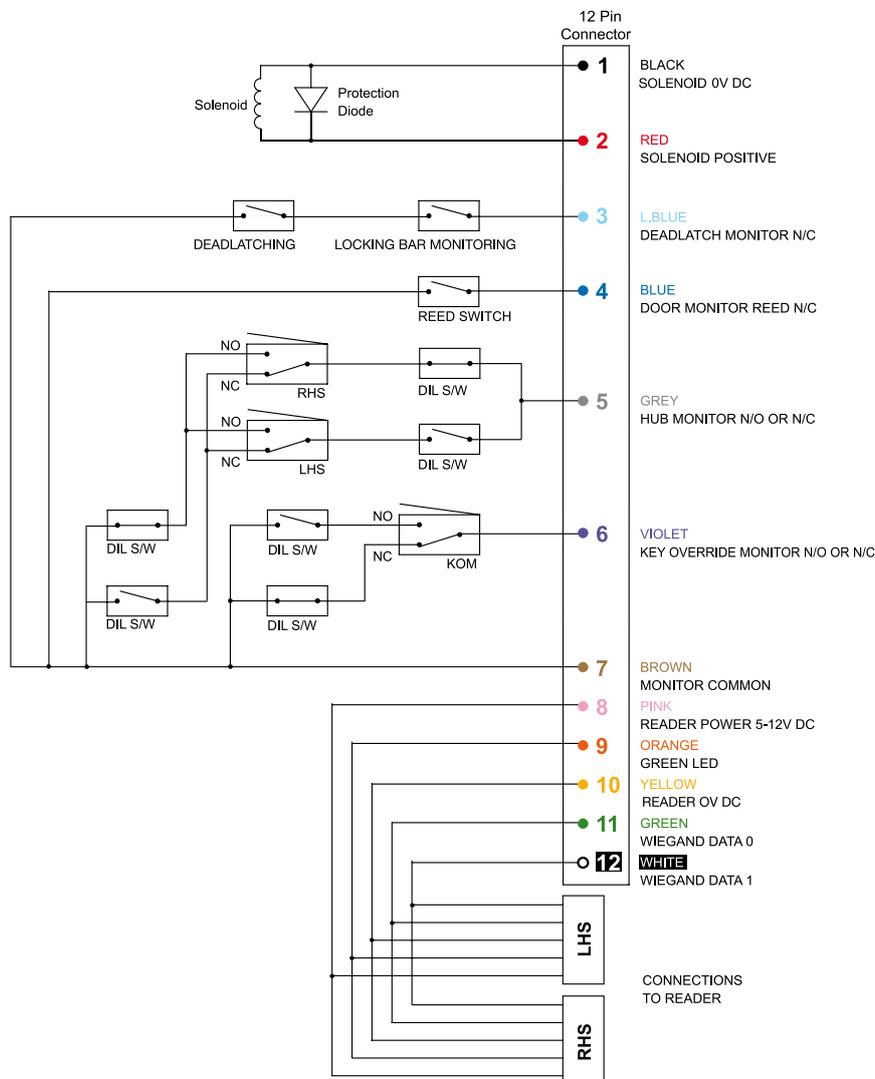
For example:

Plate Type	Plate Function	Fixing	Lever/Knob	Handing	Finishes	Door Thickness
18	78	SF	70	R	CP	55

Plate Type	
Exterior Square End	18
Exterior Round End	28

Plate Function	
Exterior plate with HID 125 kHz proximity reader	78
Internal plain plate and lever	05

Fixing	
Standard	(no suffix)
Securafix	SF

Lever/Knob	
Specify lever or knob, subject to existing tier structure	
Tier 1	
00, 20, 32, 39, 40, 60, 70, 71, 78, 80, 83, 87, 90, 97.	
Tier 2	
41, 43, 44, 45, 48, 50, 53, 54, 57, 59, 61, 69, 72, 73, 74.	

Handing	
Right Handed	R
Left Handed	L

Finishes	
Chrome Plate	CP
Polished Brass	PB
Satin Chrome	SC

| Door Thickness	
32-45mm	(no suffix)
45-55mm	55
55-65mm	65
65-75mm	75

Securafix® Ordering Notes

- One internal plate and one external plate is required for each lock.

- For each set of furniture plates, one must be handed R and one handed L. Furniture plates are ordered separately to the lock.

- The handing of Securafix plates cannot be changed.

DOOR OPENING IN

RIGHT HAND — INSIDE — LEFT HAND
OUTSIDE

DOOR OPENING OUT

INSIDE
RIGHT HAND — OUTSIDE — LEFT HAND

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Lockwood Product Catalogue
1300 LOCK UP (1300 562 587) lockweb.com.au

For product availability please refer to the current price list, contact customer service or your local sales office.

Electric Mortice Locks
3570/3670 Series Proximity Mortice Lock and Furniture

LOCKWOOD
ASSA ABLOY

12 Pin Connector

1 BLACK
SOLENOID 0V DC

Solenoid — Protection Diode

2 RED
SOLENOID POSITIVE

DEADLATCHING — LOCKING BAR MONITORING

3 L,BLUE
DEADLATCH MONITOR N/C

REED SWITCH

4 BLUE
DOOR MONITOR REED N/C

NO / NC RHS — DIL S/W
NO / NC LHS — DIL S/W

5 GREY
HUB MONITOR N/O OR N/C

DIL S/W — DIL S/W — NO / NC KOM

6 VIOLET
KEY OVERRIDE MONITOR N/O OR N/C

DIL S/W — DIL S/W

7 BROWN
MONITOR COMMON

8 PINK
READER POWER 5-12V DC

9 ORANGE
GREEN LED

10 YELLOW
READER OV DC

11 GREEN
WIEGAND DATA 0

12 WHITE
WIEGAND DATA 1

LHS

RHS

CONNECTIONS TO READER

Pin	Colour	Function
1	Black	Common 0Vdc
2	Red	Soleniod Positive
3	L. Blue	Deadlatch Monitor N/C
4	Blue	Door Monitor Reed N/C
5	Grey	Hub Monitor N/O or N/C
6	Violet	Key Override Monitor N/O or N/C
7	Brown	Monitor Common
8	Pink	Reader Power 5-12Vdc
9	Orange	Green LED
10	Yellow	Reader 0Vdc
11	Green	Weigand Data 0
12	White	Weigand Data 1

Plug Housing

To Power Supply

Receptacle Housing

From Electric Lock
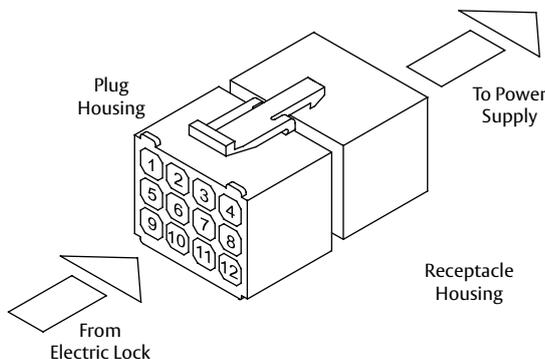
Electromechanical Solutions

3570 Series Room Guard Electric Mortice Lock and Controller

The Room Guard privacy controller system provides electronic lock control of multiple doors for any room requiring privacy by the occupants. The most common applications are shared ensuites in hospitals and conference rooms with two or more entry doors.

The system allows all doors to be locked and unlocked from any door in the system. Each lock provides a clear visual indication, both inside and outside, which displays the locked/unlocked status of the door at a glance.

Features

- Uses standard 3570EL Series Mortice Lock
- Non-handed – all settings are field configured
- One touch privacy
- Clear visual indication - LED furniture
- Unique integrated turn knobs
- Emergency override

Applications

- Shared ensuites/toilets
- Darkroom studios
- Conference rooms
- Laboratories
- Any area for which "one touch" privacy locking is required

Function

In the dormant state, all locks are unlocked and the LED on the external furniture plate indicates green.

To lock the lock

1. Close all doors
2. Activate one of the turn knobs located on the inside of the door
3. Simultaneously the lever handles on the outside of each door will lock and the LED furniture indication will change to red (inside lever will remain free at all times)

To unlock the room

1. Operate the inside lever of either lock
2. Simultaneously the locks will unlock and the LED furniture indication will return to green

INSIDE ROOM

12Vdc regulated power supply

Room Guard Privacy Controller

Emergency override switches (outside room)

Power Transfer Device

LED

Turn Knob

3570 EL Electric Mortice Lock

Power Transfer Device

Standards and Compliance

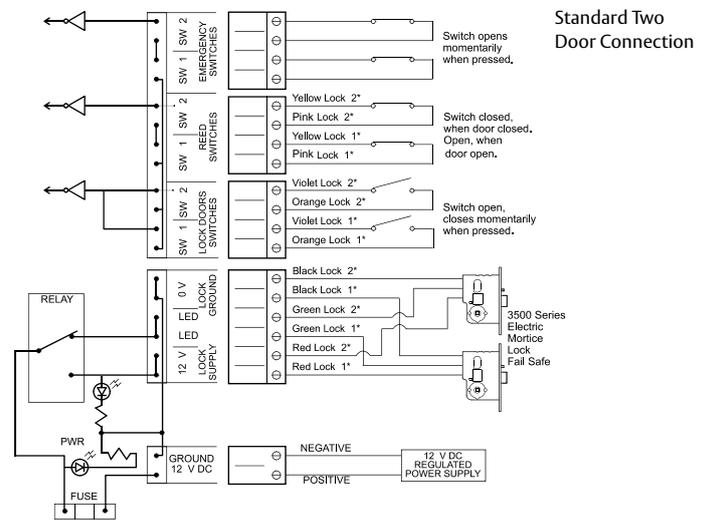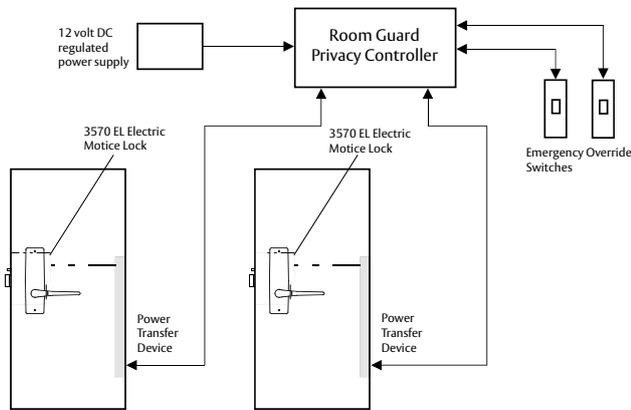|	
S3	(Security) Australian Lock Standard (AS4145.2.1993) (when used with equivalent security level keying system)
D3	(Durability) Australian Lock Standard (AS4145.2.1993)
⚠	Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire Resistant Doorsets)
✔	C-Tick Certified

Standard Two Door Connection

3570 Technical Information

Voltage	12Vdc - 24Vdc
Current	500mA (max) 80mA holding @ 12Vdc 275mA (max) 50mA holding @ 24Vdc
LED Current	When LEDs are fitted, add 15mA (max) to total current draw
Monitoring	Microswitches: 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 and 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 (0.82mm²)
Furniture	Compatible with Lockwood Series Door Furniture
Standard Finishes	Satin Chrome (SC) standard, Bright Chrome (CP) and Polished Brass (PB)

Accessories Ordering Information

Product Description	Part Number
7.5m extended 12 wire cable	SP3570-1055
9/12 wire adapter to suit 3570 Series Electric Lock	SP3570-5861

Specification Statement

Locking control of the room must be via a standalone door controller independent of the building electronic access control system. The controller shall be capable of providing simultaneous locking/unlocking of up to 4 locks via internal integrated turn knobs. Emergency egress or unlocking to be achieved via single downward action of internal lever or externally mounted override switch. The locks should be capable of operation on voltages between 12 – 24Vdc. All lock settings including fail safe/fail secure, handing and hub selection must be field configured.

Ordering Information

Product Description	Part Number
Room Guard Privacy Controller plus regulated power supply (12Vdc, 1.5AMP)	RG2PS
Room Guard Privacy Controller	RG2
Turn knobs, designed for the integrated assembly with Lockwood Electric Mortice Locks *Other finishes available upon application*	RG3SC

A typical room with two doors requires the following equipment:

1 x Room Guard Privacy Controller	RG2PS or RG2
2 x Room Guard Privacy Controller turn knobs	RG3SC
2 x Electric Mortice Locks	3570ELM0SC
2 x Power transfer devices	LC8810
2 x Exterior door furniture	1822/70SC
2 x Interior door furniture	1920/70SC
2 x 7.5M extended cables	SP3570-1055

Note: Due to the variety of installation décor, Lockwood does not supply emergency release push buttons. However we recommend a Clipsal model 31 architrave mounting plate with model 30MBP push button, or equivalent, available from most electrical wholesalers.

Electromechanical Solutions

3580 Series Electric Mortice Lock

Designed and manufactured in Australia, the 3580 Series Electric Mortice Lock 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.

The 3580 Series is available in a wide variety of configurations to suit varying requirements and is especially suited to narrow style or short backset applications.

Key Features

Available in non monitored and monitored versions.

Monitoring features:

• Dead latched

• Door position/reed switch

• Key override

• Request to exit/REX

Available configurations:

• Fail safe or fail secure

• 12Vdc or 24Vdc

• Field changeable monitoring contacts – normally closed, normally open

• Field changeable handing – left hand and right hand doors

• Selection of free lever or locked lever on both sides of the door

• Key override monitoring

• LED indication

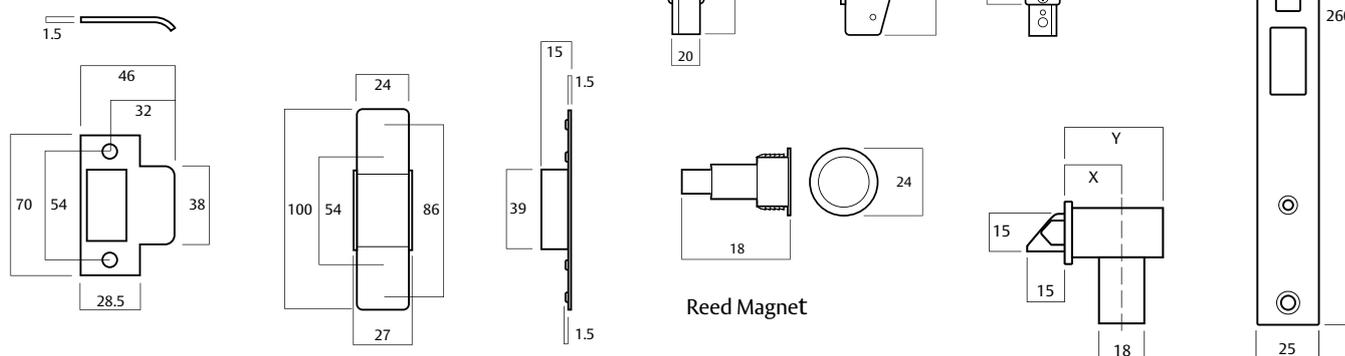| Standards and Compliance	
S2	(Security) Australian Lock Standard (AS4145.2.1993)
D3	(Durability) Australian Lock Standard (AS4145.2.1993)
✔	C-Tick Certified

Limiting Dimensions

Dimension	Backset			
X	23	25.4	30	38
Y	36.4	39	43.6	51.7

Reed Magnet

3580 Technical Information

Voltage	Available in 12Vdc or 24Vdc
Current	12Vdc ± 5% 250mA (max) 24Vdc ± 5% 125mA (max)
LED Current	When LEDs are fitted, add 15mA (max) to total current draw
Monitoring	Key override Deadlatched and door closed Request to exit Hub/deadlatch/key override monitor: max ratings 500mA@30Vdc Door status monitor: max ratings 3W, 250mA (max) @ 12Vdc, 125mA (max) @24Vdc
Environment	Operational temperature range -20°c to +60°c
Case/ Cover	High purity zinc alloy construction
Backset	23mm standard. 25.4, 30 and 38 mm extended available
Latch Bolts	15mm stainless steel construction
Door Clearance	3 – 6.5 mm
Door Thickness	Standard applications 32 to 50mm Extension kits available
Cylinder	Standard Lockwood oval shaped cylinders
Cabling	3.6 metre length of cable with 9 pin socket supplied with each lock Recommended cabling: 18AWG (0.82mm²) 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)

Note: For detailed electrical specifications, turn to page 5.54

Accessories Ordering Information

Product Description	Part Number
Anti-Clockwise Rebate Kit Replace ## with finish code (SC, CP, PB)	3580-2902AC##
Clockwise Rebate Kit Replace ## with finish code (SC, CP, PB)	35802902CW##
LED Assembly to suit 3570/3580	SP572-3129
7.5m extended 9 wire cable	SP3580-1052

Specification Statement

The lock should be capable of operation on voltages of 12 or 24Vdc and have a current consumption not more than 250mA (max) @12Vdc and 125mA (max) @24Vdc. Monitored locks must be capable of monitoring the following functions: key override, door position/reed switch and independent hub/request to exit. All monitoring outputs must have the ability to be wired independently. The lock must be capable of operating fail safe or fail secure, left or right hand and have field configured hub selection.

Electromechanical Solutions

For product availability please refer to the current price list, contact customer service or your local sales office.

Lockwood Product Catalogue
1300 LOCK UP (1300 562 587) lockweb.com.au

5.51

Electric Mortice Locks

3580 Series Electric Mortice Lock

Ordering Procedure

Sample part number 3582ELAM2RSC62 is made up of several sections.
Choose your product by selecting an option from each section.

For example:

Backset	Door Material	Lock Function	New Product	Safety Function	Sub Function	Handing	Finish	Options
3	**58**	**2**	**EL**	**A**	**M2**	**R**	**SC**	**62**

Backset

23 mm	3
25.4 mm	4
30 mm	5
38 mm	6

Door Material

Metal	58
Timber	59

Lock Function

Vestibule Lock	2
Combination Lock	4

New Product

EL	

Safety Function

Fail Safe (Power to lock)	A
Fail Secure (Power to unlock)	E

Sub Function

Non-Monitored Lock (0 Cylinders)	N0
Non-Monitored Lock (1 Cylinder)	N1
Non-Monitored Lock (2 Cylinders)	N2
Monitored Lock (0 Cylinders)	M0
Monitored Lock (1 Cylinder)	M1
Monitored Lock (2 Cylinders)	M2
Monitored Lock including KOM (0 Cylinder)	M4
Monitored Lock including KOM (1 Cylinder)	M5
KOM- (Key overrride monitoring)	

Handing

Right Handed	R
Left Handed	L

Finish

Bright Chrome	CP
Polished Brass	PB
Satin Chrome	SC

Options

24 volt model	62

Backset Nominate backset as required, e.g. 23mm	**3**
Door Material Nominate door material, e.g. Metal	3**58**
Lock Function Select function, e.g. Vestibule Lock	358**2**
Electrical Variant Indicate that this is an Electric Lock	3582**EL**
Safety Function Select whether lock should be Fail Secure or Fail Safe, e.g. Fail Safe	3582EL**A**
Monitoring and Key Override Options Select monitoring and cylinders to be supplied, e.g Monitored Lock with two cylinders	3582ELA**M2**
Handing Determine left or right handing, e.g. Right Handed	3582ELAM2**R**
Finish Specify appropriate finish, e.g. Satin Chrome	3582ELAM2R**SC**
Options Specify 24Vdc option when required	3582ELAM2RSC**62**

### Accessories

Rebate kits to suit 13 mm rebated timber doors with a minimum backset of 30 mm include an adaptor to mount the lock and a special strike plate. Handing of the rebate kits is determined by the opening movement of the door on which the lock is fitted.

Finish	Anti-clockwise	Clockwise
Satin Chrome	3580-2902ACWSC	3580-2902CWSC
Bright Chrome	3580-2902ACWCP	3580-2902CWCP
Polished Brass	3580-2902ACWPB	3580-2902CWPB
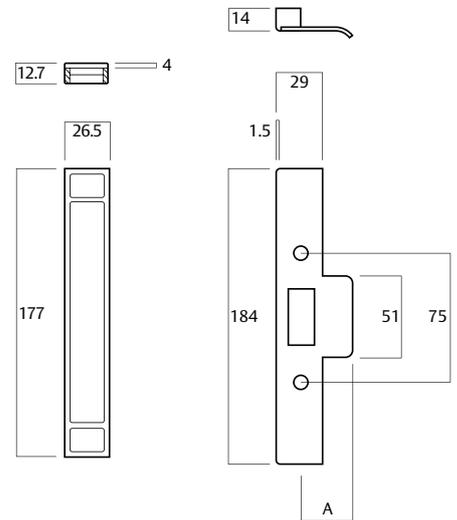
Extended Cylinders

Extended cylinders should be considered when door thickness exceeds 50 mm or when the lock is mounted off centre in the door edge. A range of cylinders is available to suit various door thicknesses. Refer to ASSA ABLOY Australia Keying and Restricted Price List for further information.

"A" Cylinder Projection	Cylinder Length	Recommended Door Thickness
41	37	50 to 60
52	48	60 to 84
64	60	84 to 108
80	76	108 to 132
88	84	132 to 156

Electromechanical Solutions
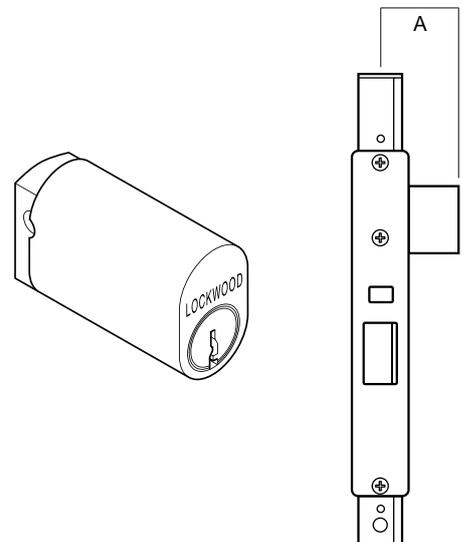
### Electrical Specifications

Circuit Diagram

Note: Diagram depicts fail safe 12V RH opened door, with handle and key in rest state.

Hub Monitor

Switch No. 1 2 3 4	Lock Side	Normal Function
ON / OFF	A	N / C
ON / OFF	A	N / O
ON / OFF	B	N / C
ON / OFF	B	N / O

Key Override Monitor Selection

Set the 2 WAY DIL SWITCH to desired setting, refer to table.

Switch No. 1 2	Normal Function
ON / OFF	N / O
ON / OFF	N / C

9 Pin Connector

Pin		
1	Common	
2	Solenoid 12V dc	
3	Common Deadlatch and Door Closed Status	
4	Deadlatch and Door Closed Status	
5	LED	
6	Hub Monitor Common	
7	Hub Monitor (LH/RH, NO/NC)	
8	Key Override Monitor (NO/NC)	
9	Key Override Monitor Common	

Pin	Colour	Function
1	Black	Common (0Vdc)
2	Red	Solenoid (12Vdc or 24Vdc)
3	Grey	Deadlatch and Door Closed Status (common)
4	Yellow	Deadlatch and Door Closed Status
5	Green	LED
6	Brown	Hub Monitor (common)
7	Blue	Hub Monitor (RH/LH, NO/NC)
8	Orange	Key Override Monitor (NO/NC)
9	Violet	Key Override Monitor (common)
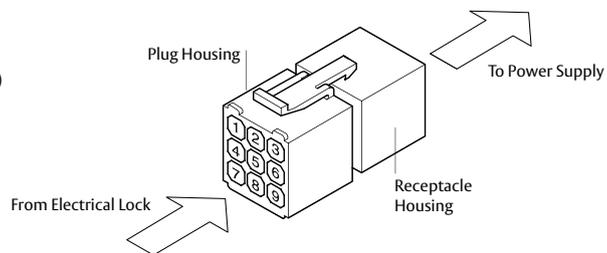
Electric Mortice Locks
Power Transfer Lead

LC8810

The LC8810 and LC8811 Power Transfer Lead Covers are designed to ensure unbroken transfer of wires between door and frame in electric locking situations.

Features

- Provides unbroken connection from controller to lock, for cable up to 8 mm diameter
- Vandal-resistant chrome plated flexible steel
- Completely concealed when the door is closed

Applications

LC8810

The LC8810 is a shorter unit suitable for hinged doors which open to 90° (maximum of 120°).

LC8811

The LC8811 is designed for use on doors which open more than 120°, or have a gap from pin hinge to door frame of more than 20 mm.

Note: Not suitable for centrally pivoted doors.

Standards and Compliance

Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire Resistant Doorsets)

Electric Mortice Locks
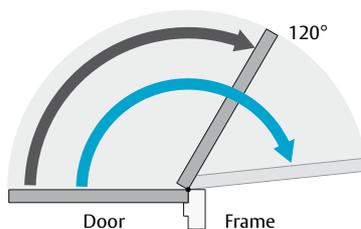## Power Transfer Lead

LC8810

The LC8810 is a shorter unit suitable for hinged doors which open to 90° (maximum of 120°).
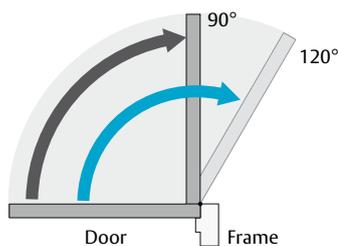
LC8811

The LC8811 is designed for use on doors which open more than 120°, or have a gap from pin hinge to door frame of more than 20 mm.

Note: Not suitable for centrally pivoted doors.
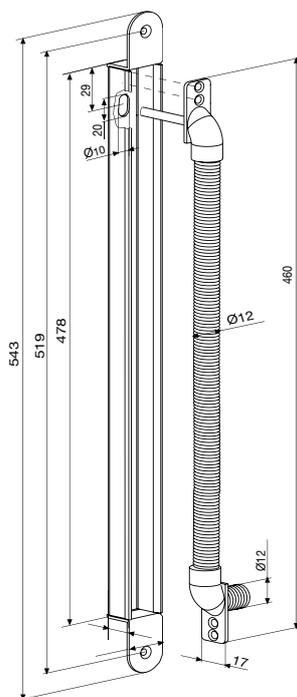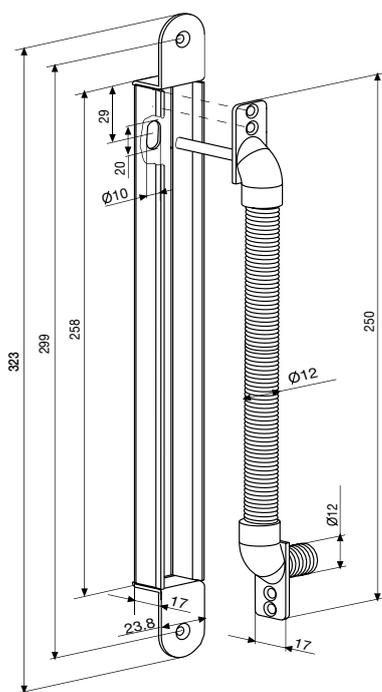
Ordering Information

Product Description	Part Number
323mm Power Transfer Cable	LC8810
543mm Power Transfer Cable	LC8811

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

LOCKWOOD

ASSA ABLOY

LOCKWOOD

Lockwood is the leading brand in the Australian locking industry. With an established reputation for high quality products, this iconic brand provides a wide range of locking solutions to residential housing, commercial building and industrial application markets. Lockwood is supported by an extensive distribution and
after-sales support network. Our customers include retailers, architects, trade and industrial personnel, locksmiths and security dealers.

ASSA ABLOY

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

ASSA ABLOY is represented in all major regions, in both mature and emerging markets, with leading positions in Australia, Europe and North America.

As the world's leading lock group, ASSA ABLOY offers a more complete product range of door opening solutions than any other company in the market.

Australia
1300 LOCK UP (1300 562 587)
lockweb.com.au

New Zealand
+64 9415 7111
assaabloy.co.nz

ASSA ABLOY Australia Pty Ltd
235 Huntingdale Road
Oakleigh, Victoria, 3166
Australia

info.au@assaabloy.com
assaabloy.com.au

ASSA ABLOY New Zealand Ltd
6 Armstrong Road
Albany, North Shore City, 0632
New Zealand

info.nz@assaabloy.com
assaabloy.co.nz

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