Electric Mortice Locks

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

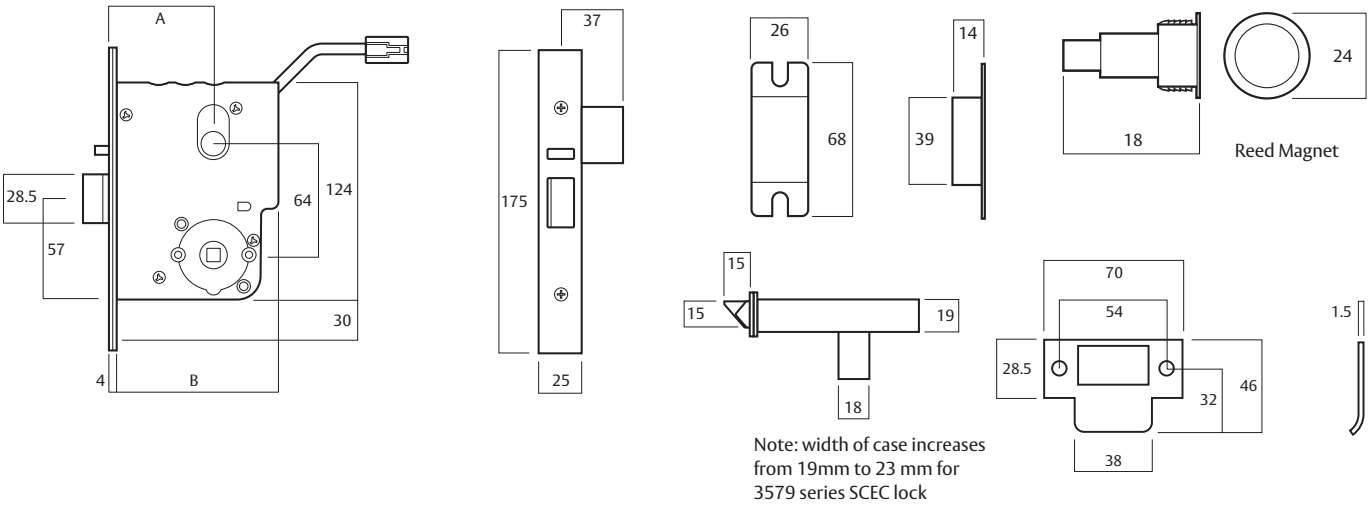
Field Changeable settings:

- 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 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 & 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) 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.

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

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 Cylinders)	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

KOM-
(Key override monitored)

Right Handing

Right Handing	R
Left Handing	L

Finish

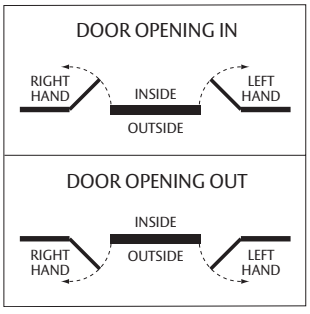
Satin Chrome	SC
Chrome Plate	CP
Polished Brass	PB

Backset Nominate backset as required, eg 60mm	**3**
Fixing Select the desired fixing method, eg Standard Fixing 35	3**5**
Lock Function Select function, eg 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, eg Fail Safe	3572EL**A**
Monitoring and Key Override Options Select monitoring and cylinders to be supplied, eg Monitored Lock with two cylinders	3572ELA**M2**
Handing Determine left or right handing, eg Right Handed	3572ELAM2**R**
Finish Specify appropriate finish, eg 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.
- 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

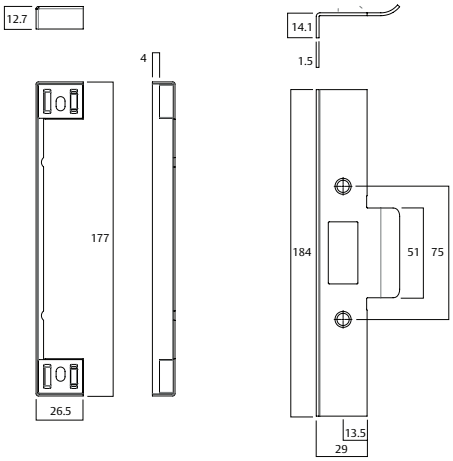
Description - Non-Monitored	Cylinders	Part No
Electric Mortice Lock 3570 Primary Lock 60 mm Backset Non Monitored	No Cylinder	3570ELN0SC
Electric Mortice Lock 3570 Primary Lock 60 mm Backset Non Monitored	1 Cylinder	3570ELN1SC
Electric Mortice Lock 3570 Primary Lock 60 mm Backset Non Monitored	2 Cylinder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

3570 Series Electric Mortice Lock

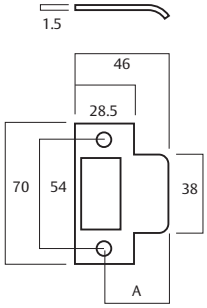
Accessories - Rebate Kits

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



Long Lipped Strike

Accessories Ordering Information

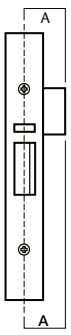
Product Description	Part Number
LED assembly to suit 3570/3580 (suits furniture for monitored locks)	SP572-3129
7.5m extended 12 wire cable	SP3570-1055
9/12 wire adaptor to suit 3570 series electric lock	SP3570-5861
323mm Power Transfer Cable	LC8810
543mm Power Transfer Cable	LC8811

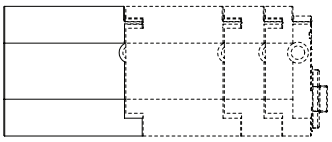
Extended Cylinders

Extended cylinders should be considered when 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.

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
34	36	35	50	Standard Mortice Cylinder						
41	43	50	63	1	1			2		
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



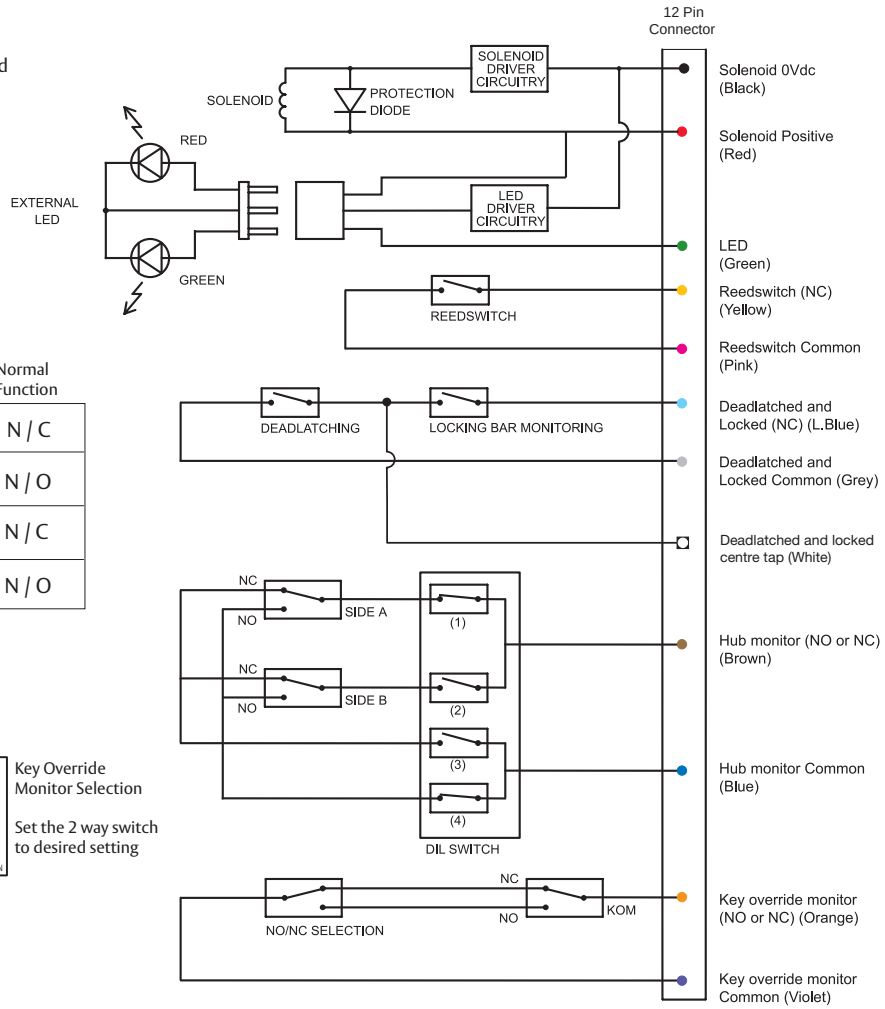


3570 Series Electric Mortice Lock

Electrical Specifications

Circuit Diagram

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

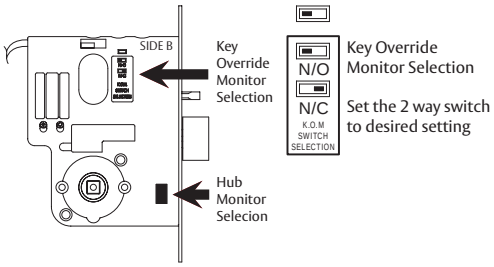


DIL Switch Settings

Hub Monitor

Switch Number 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



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)

3579 Series Electric Mortice Lock

Designed and manufactured in Australia, the 3579 series electric mortice is a high performance lock of superior quality. It is constructed from high grade zinc alloy secured between stainless plates making suitable for high security applications.

The 3579 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.

Features

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

- Stainless Steel Latch and Faceplate
- Stainless steel plates that encapsulate the body against attempted vandalism
- Available in Monitored versions only

Monitoring Features

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

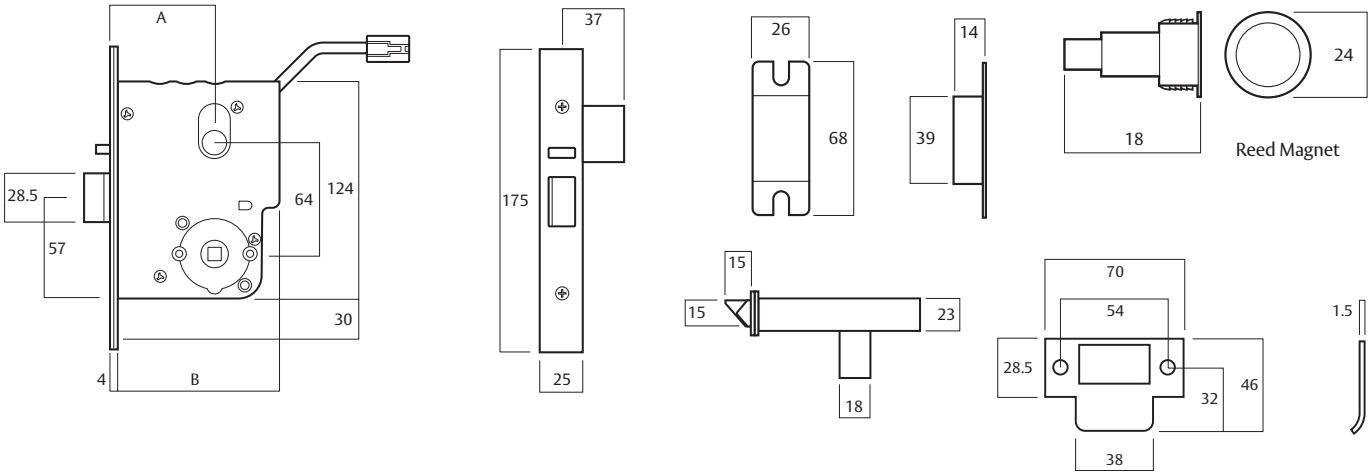
Field Changeable Settings

- 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

SL8	Australian Lock Standard (AS4145.2.1993) (when used with equivalent security level keying system)
D8	(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
	SCEC endorsed for secure areas

3579 Series Electric Mortice Lock



3579 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 Microswitches: 500mA (max) @ 30Vdc each circuit. Reedswitch: 100mA (max) @ 30Vdc
Environment	Operational temperature range -20c to + 60c
Case/ Cover	High purity Zinc alloy construction with Stainless Steel plates
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 (0.82mm²) cable runs up to 30m
Furniture	Compatible with Lockwood series door furniture
Standard Finishes	Satin Chrome(SC) standard. Bright

Specification Statement

The lock body should be encapsulated with stainless steel 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.

Ordering Information

Product Description	Part Number
Electric Mortice 3579 Primary Lock 60 mm Mon	3579ELM0SC
Electric Mortice 3570 Primary Lock 89 mm Mon	4579ELM0SC
Electric Mortice 3570 Primary Lock 127 mm Mon	5579ELM0SC

3579HS Series Electric Mortice Lock

Designed and manufactured in Australia, the 3579HS series electric mortice is designed for unique applications where fail secure functionality is required externally with fail safe functionality on the inside. To achieve this function the lock must be used in conjunction with an electric strike.

The 3579HS is constructed from the same material as the 3579 counterpart.

Features

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

- Stainless Steel Latch and Faceplate
- Stainless steel plates that encapsulate the body against attempted vandalism
- Available in Monitored versions only

Monitoring Features

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

Field Changeable Settings

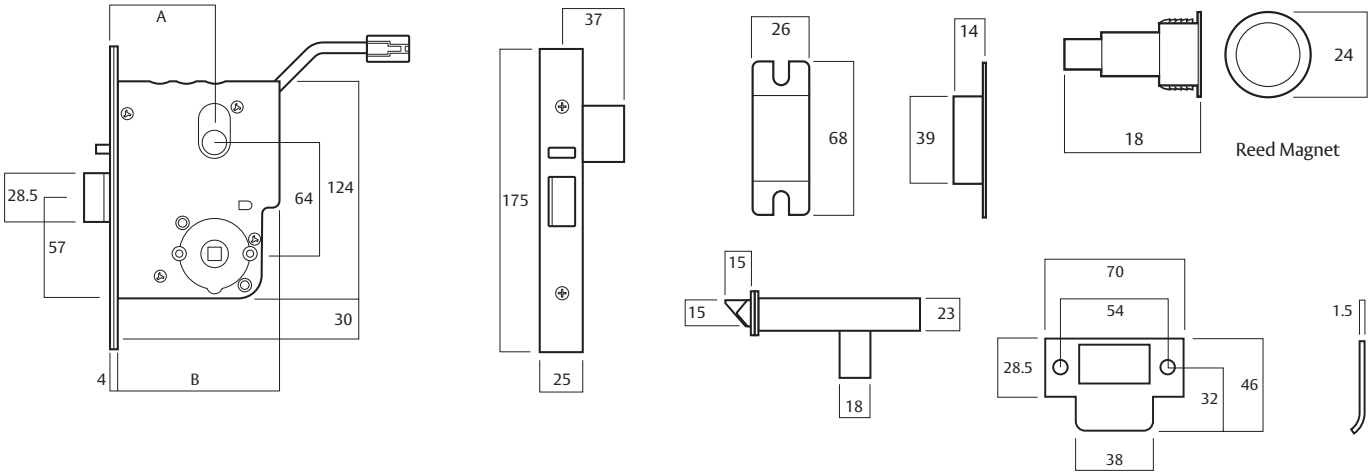
- Fail safe/fail secure configuration.
- Multi-voltage - will work on 12-24 Vdc systems.
- Handing - left hand and right hand doors
- Selection of free lever or locked lever on both sides of the door
- Key override monitoring either side of the door
- Monitoring contacts – normally closed, normally closed

Note: this lock is designed to operate in conjunction with an electric strike. The lock will never unlock electrically from the external side.

Standards and Compliance

SL8	Australian Lock Standard (AS4145.2.1993) (when used with equivalent security level keying system)
D8	(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
	SCEC endorsed for secure areas

3579HS Series Electric Mortice Lock



Lock Functions

The 3579HS series lock is designed to provide internal emergency egress on doors whereby the door remains secure on the outside in the event of a fire alarm or break glass event.

A typical door set up would include the following hardware:

- Proximity readers on both sides of the door to gain access either way
- 3579HS Electric Mortice Lock set to fail safe inside. Note the lock remains in the locked state (externally)100% of the time if power is applied or not.
- Electric strike set to fail secure
- Break glass or Fire Panel connected to the mortice lock only

To enter or exit the door the user would swipe a proximity card to the reader. Upon authorisation from the EAC panel the electric strike would unlock, allowing the user to open the door. The electric mortice lock does not change state.

In the event of an emergency (fire alarm or break glass activation), power is cut to the electric mortice lock & places it in a fail safe mode on the internal side only. The mortice lock remains in a fail secure state on the external side.

NOTE: The 3579HS Series lock can never be electrically unlocked from the outside. A secondary locking device (electric strike) must be used in conjunction with this lock.

Specification Statement

The lock body should be encapsulated with stainless steel 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. The lock must be capable of operating in fail safe mode internally and fail secure mode externally when used in conjunction with an electric strike.

Ordering Information

Product Description	Part Number
High Security Elec Mortice 3579HS Primary Lock 60 mm	3579HSELM0SC
High Security Elec Mortice 3579HS Primary Lock 89 mm	4579HSELM0SC
High Security Elec Mortice 3579HS Primary Lock 127 mm	5579HSELM0SC

Hi-O Room Guard Locking System

The Room Guard Locking System is based on state of the art Hi-O technology platform developed by ASSA ABLOY.

Bringing a new dimension to electronic locking systems as we know them today, the Hi-O platform has enabled this unique product offering that is designed for ease of use and simplified installation.

The system provides electronic lock control of multiple doors for any room requiring privacy by the occupants. The most common applications are shared bathrooms in hospitals and conference rooms with dual entries. The intelligence is embedded in the locking devices themselves, resulting in a plug and play system without the need for a door controller to lock and unlock the door; therefore extremely easy to install and cost effective.

Features

- One touch privacy
- All components supplied in one neat kit
- Plug and Play connectivity
- No requirement for external door controller or EAC system
- Fast, accurate and cost effective installation

Applications

- Shared bathrooms
- Conference rooms
- Laboratories

Function

Locking the door

- Enter either door and close door
- Activate internal turn knob
- Both doors automatically lock - outside
- External handles indicate red (locked)

To unlock/exit

- Activate internal lever on either door
- Both doors automatically unlock
- External handles indicate green (unlocked)

Note: In the event of an emergency, the doors may be unlocked externally via emergency override switches if fitted.

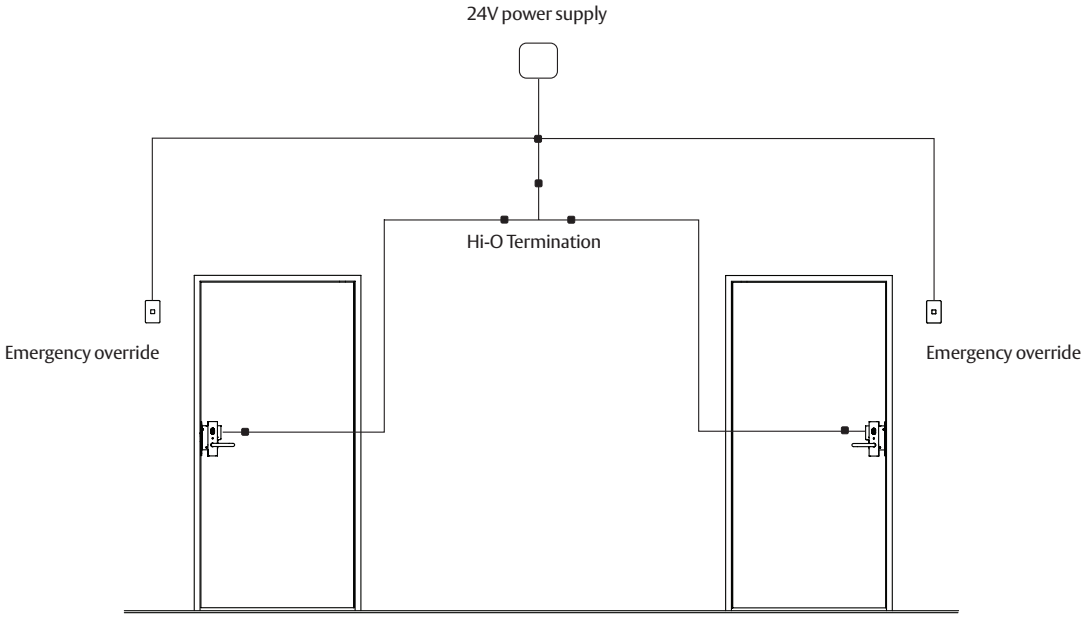
Standards and Compliance

Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1.2007

NEW Product

Hi-O Room Guard Locking System

Two Door Installation Layout



Installation Overview

The Room Guard Locking System does not require an external door controller to lock or unlock the door. The electric mortice locks are simply plugged together, connected to the emergency override switches and then plugged into the power supply.

Note: The use of emergency override switches may not be required. In that case, the power supply is connected directly to mortice locks.

Ordering Information

The Room Guard Kit contains all necessary components and power supply to install a two door system. The door furniture must be ordered separately.

1. Order Room Guard two door kit
2. Order door furniture for two doors

Part Number	Description
3570HRGKIT	Room Guard Kit – 2 doors
1822/70SC	Exterior door furniture with LED
1920/70SC	Interior door furniture

Additional Information

- For alternative door furniture options and finishes, refer to Lockwood Product Catalogue Section 3.70 – Plate Door Furniture
- Locks are designed to work in fail safe mode
- Locks are non handed and can be configured on site

Room Guard Kit - Contents	Qty
Hi-O Room Guard Mortice Lock	2
Power Transfer	2
Room Guard Turn Knob Assembly	2
24Vdc Power supply unit	1
4 Way Adaptor	1
Override Switch Wire – 15M	2
8M Extension Cable	2
Terminal Strip Adaptor (PAIR)	1
Hi-O Termination Socket	1
Emergency Switch	2
Faceplate for Emergency Switch	2

Spare Part no	Description
3570ELHRG0SC	Hi-O Room Guard Mortice Lock
EA280	Power Transfer
RG3SC	Room Guard Turn Knob Assembly
HPS-24VDC	24Vdc Power supply unit
HLM-004	4 Way Adaptor
HLM-018	Override Switch Wire – 15M
HLM-008	8M Extension Cable
HLM-011	Terminal Strip Adaptor (PAIR)
HLM-012	Hi-O Termination Socket
HPM-SW1	Emergency Switch
HPM-FP1	Faceplate for Emergency Switch

3580 Series Electric Mortice Lock

Designed and manufactured in Australia, the 3580 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.

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

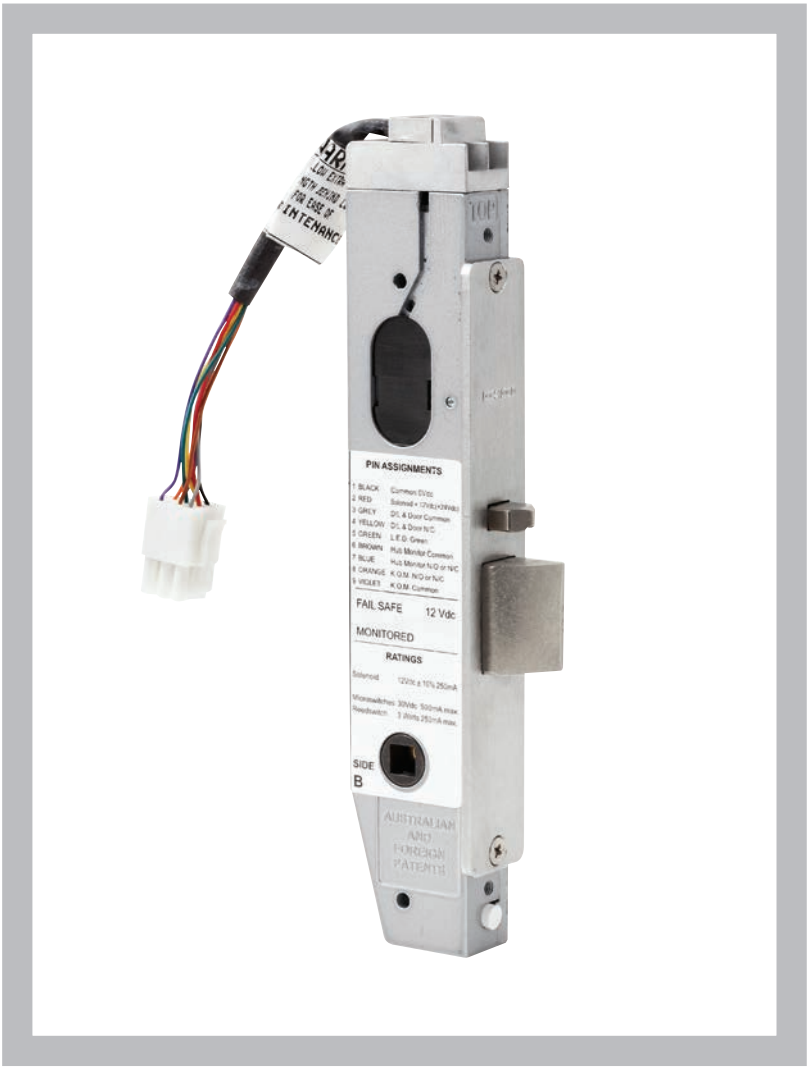
Available in non monitored and monitored versions.

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



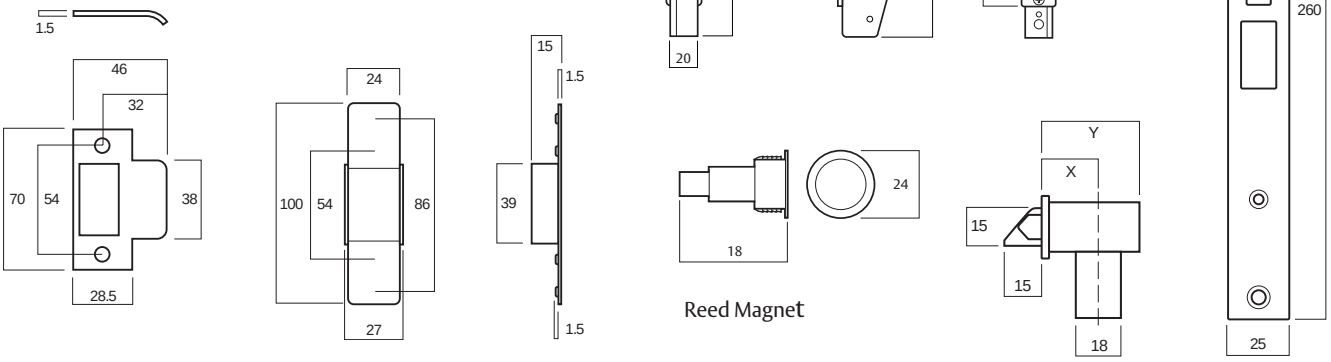
Standards and Compliance

S2	(Security) Australian Lock Standard (AS4145.2.1993)
D3	(Durability) Australian Lock Standard (AS4145.2.1993)
✓	C-Tick Certified

3580 Series Electric Mortice Lock

Limiting Dimensions

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



3580 Series Technical Information

Voltage	Available in 12Vdc or 24Vdc
Current	12Vdc ± 5% 250mA (max) 24Vdc ± 5% 125mA (max)
LED Current	When LED's 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 & 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) finishes available

Note: For detailed electrical specifications, turn to page 48.

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 & 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 configurable hub selection.

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 override monitoring)

Handing

Right Handing	R
Left Handing	L

Finish

Bright Chrome	CP
Polished Brass	PB
Satin Chrome	SC

Options

24 volt model	62

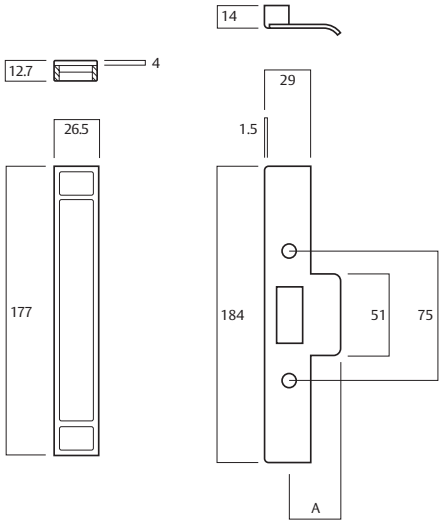
Backset Nominate backset as required, eg 23mm	**3**
Door Material Nominate door material, eg Metal	3**58**
Lock Function Select function, eg Vestibule Lock	358**2**
Electrical Variant Indicate that this is an Electric Lock	3582**EL**
Safety Function Select whether lock should be Fail Secure or Fail Safe,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

3580 Series Electric Mortice Lock

Accessories

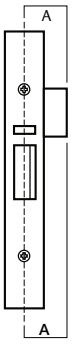
Rebate kits to suit 13 mm rebated timber doors with a minimum backset of 30 mm includes an adaptor to mount the lock and a special strike plate. Handing of the rebate kits is determined by the opening movement of the door on which the lock is fitted.

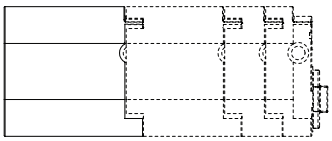
Finish	Anti-clockwise	Clockwise
Satin Chrome	3580-2902ACWSC	3580-2902CWSC
Bright Chrome	3580-2902ACWCP	3580-2902CWCP
Polished Brass	3580-2902ACWPB	3580-2902CWPB



Extended Cylinders

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
34	36	35	50	Standard Mortice Cylinder						
41	43	50	63	1	1			2		
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



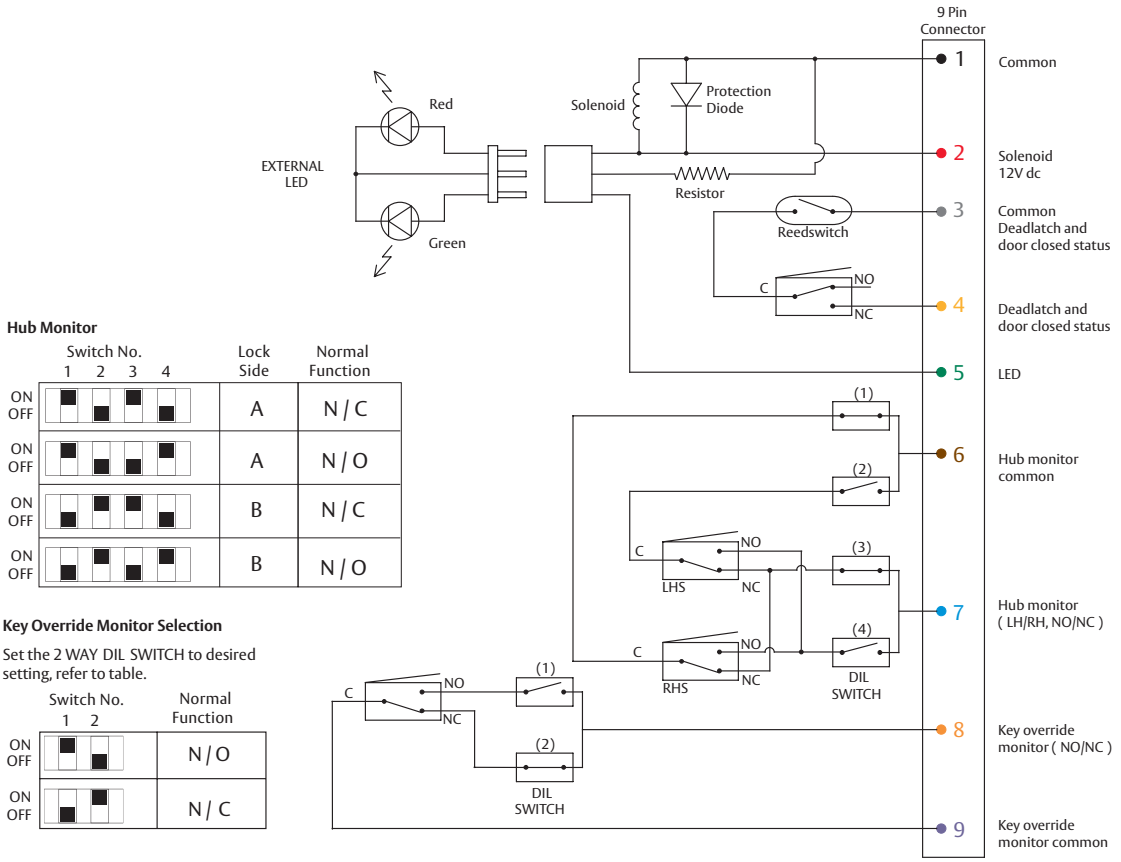


3580 Series Electric Mortice Lock

Electrical Specifications

Circuit Diagram

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



Hub Monitor

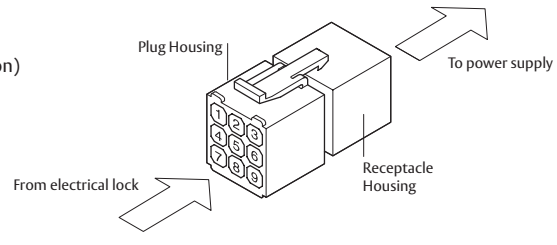
Switch No. 1 2 3 4	Lock Side	Normal Function
ON / OFF	A	N / C
ON / OFF	A	N / O
ON / OFF	B	N / C
ON / OFF	B	N / O

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

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)



ABLOY EL402 Solenoid Lock

General Description

ABLOY EL402 is typically used in the interior doors of business premises and educational buildings. The locks include a special double action bolt for quick and easy use and offer a cost-effective way of electric locking without compromising performance. The locks can be controlled by a variety of electrical impulse generating equipment such as card readers, keypads and timers. The locks can be connected to automatic swing door operators and are an excellent solution for access control systems. The new revolutionary adjustable backset feature offers unique flexibility that's never been available before. Because of its symmetrical trigger bolt, ABLOY EL402 can be used in double swing doors. The lock can always be opened mechanically by key or by thumb turn and the bolt deadlocks automatically when the door closes.

Key Features

- Field selectable Fail Safe/Fail Secure configuration
- Non Handed Symmetrical trigger bolt
- Visual Lock Status indicator
- Immediate release of Deadlocking
- Push or Pull operation
- Wide Operating Voltage
- Adjustable Backset Between 25 – 35 to suit most narrow style applications.

Applications

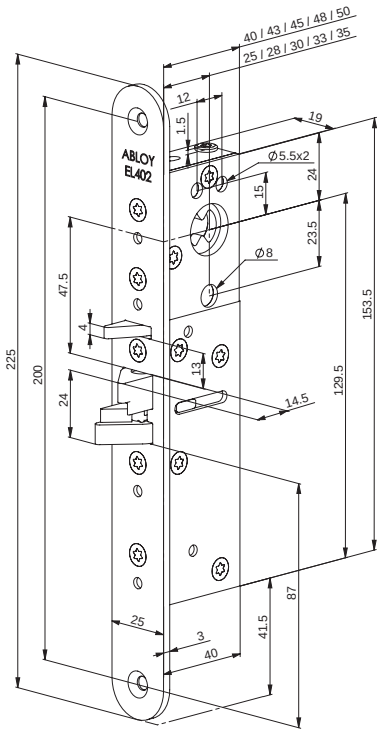
- Offices
- Narrow Style Doors
- Storage rooms
- Suitable for use with 5002 swingdoor operator
- Consulting rooms (All Narrow style)
- Top of glass doors 180°

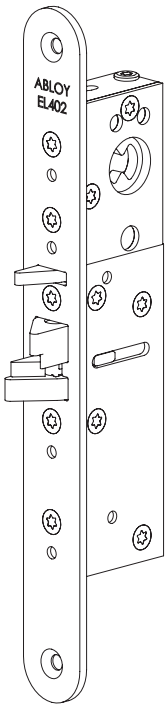
The EL402 is not recommended

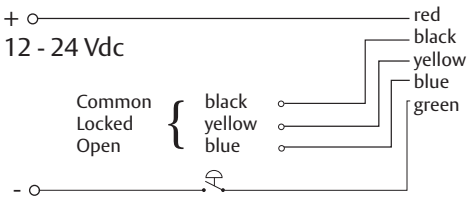
- For use in doors with seal force
- For use in fire doors

Note: EL 402 replaces EL412 and EL413

ABLOY EL402 Solenoid Lock







EL402 Solenoid Lock Technical Information

Voltage	12-24 Vdc -10%/ +15% STAB
Current	550mA (max) 240mA holding @12Vdc 270mA (max) 110mA holding @24Vdc
Monitoring	Microswitch 0.4A 30V AC (deadlock status)
Environment	Operational temperature range -20°C to +60°C
Case/Cover	High Purity zinc alloy
Forend	25mm
Backset	25, 28, 30, 33, 35mm (adjustable)
Latchbolts	Double action latch 14.5mm
Door Clearance	3-5 mm
Cylinder	ABLOY classic or ABLOY Disklock Pro
Cabling	Recommended cable: 18AWG (0.82mm²) cable runs up to 30m
Furniture	ABLOY Architectural Hardware
Standard Finishes	Chrome plated forend, lock case yellow chrome plated

Specification Statement

The mortice lock must consist of High grade pure zinc alloy, the lock needs to have an adjustable backset 25,28,30,33 and 35mm. The latch bold must be no less than 14.5mm with complete double action trigger. The voltage must be variable between 12-24Vdc with tolerance of 10% up or down. The lock and unlocked status must be fully monitored by means of dry contacts.

Ordering Information

Product Description	Part Number
ABLOY EL 402 Narrow Style Electric Mortice Solenoid Lock	EL402
Cable 6m for EL402	EA211
ABLOY Lead Cover	EA280
ABLOY Lead Cover Long	EA281

ABLOY EL502 Solenoid Lock

General Description

ABLOY EL502 is typically used in the interior doors of business premises and educational buildings. The locks include a special double action bolt for quick and easy use and offer a cost-effective way of electric locking without compromising performance. The locks can be controlled by a variety of electrical impulse generating equipment such as card readers, keypads and timers. The locks can be connected to automatic swing door operators and are an excellent solution for access control systems. The new revolutionary adjustable backset feature offers unique flexibility that's never been available before. Because of its symmetrical trigger bolt, ABLOY EL502 can be used in double swing doors. The lock can always be opened mechanically by key or by thumb turn and the bolt deadlocks automatically when the door closes.

Key Features

- Field selectable Fail Safe/ Fail Secure configuration
- Non Handed Symmetrical trigger bolt
- Visual Lock Status indicator
- Immediate release of Deadlocking
- Push or Pull operation
- Wide Operating Voltage
- Backset 50mm

Applications

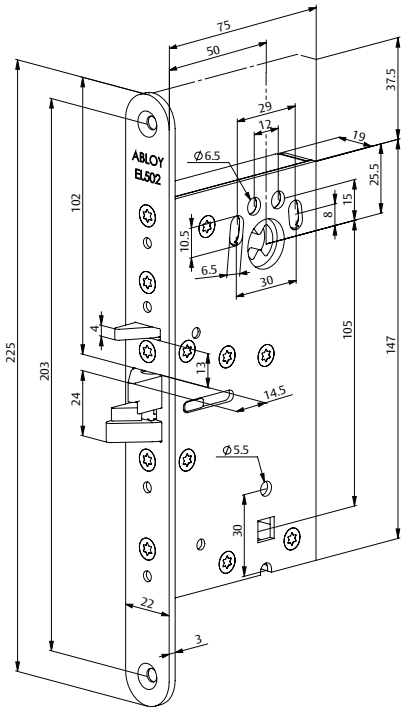
- Offices
- Timber doors
- Storage rooms
- Suitable for use with 5002 swingdoor operator
- Consulting rooms

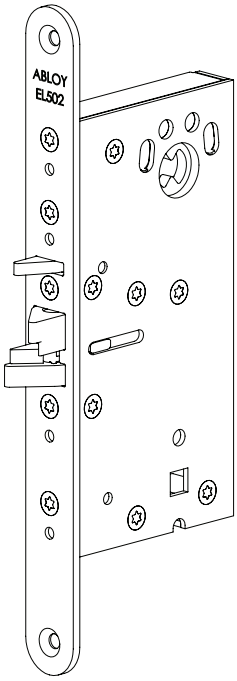
The EL502 is not recommended

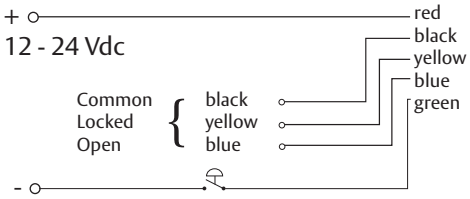
- For use in doors with seal force
- For use in fire doors

Note: EL 502 replaces EL512 and EL513

ABLOY EL502 Solenoid Lock







EL502 Solenoid Lock Technical Information

Voltage	12-24 Vdc -10%/ +15% STAB
Current	12V Max 550 mA, Normal 240mA 24V Max 270mA, Normal 110mA
Monitoring	Microswitch 0.4A 30V AC (Deadlock status)
Environment	Operational temperature range -20°C to +60°C
Case/ Cover	High Purity zinc alloy
Forend	22mm
Backset	50mm
Latchbolts	Double action latch 14.5mm
Door Clearance	3-5 mm
Cylinder	ABLOY classic or ABLOY Disklock Pro Scandinavian oval type
Cabling	Recommended cable: 18AWG (0.82mm^2) cable runs up to 30m
Furniture	ABLOY Architectural Hardware
Standard Finishes	Chrome plated forend, lock case yellow chrome plated

Specification Statement

This mortice lock must consist of High grade pure zinc alloy, the lock needs to have a backset 50mm. The latch bold must be no less than 14.5mm with complete double action trigger. The voltage must be variable between 12-24Vdc with tolerance of 15% up or 10% down. The lock and unlocked status must be fully monitored by means of dry contacts.

Ordering Information

Product Description	Part Number
ABLOY EL 502 Electric mortice Solenoid Lock	EL502
Cable 6m for EL502	EA211
ABLOY Lead Cover	EA280
ABLOY Lead Cover Long	EA281

ABLOY EL648 Motor Lock

General Information

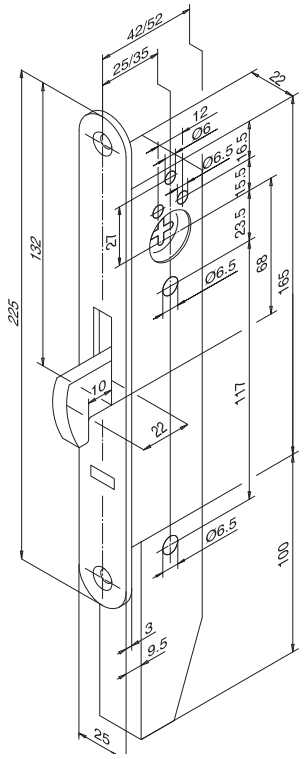
The EL648 is a heavy duty motor lock with hook bolt for narrow style doors. They provide superior mechanical strength against physical attack. The EL648 is used in high security auxiliary lock in applications such as gates and exterior doors of industrial premises, shopping centres, business premises etc. The lock is especially suited for sliding doors as it can be installed in the door frame or the door leaf. EL648 is ideal for night locking that requires greater strength and security. The lock can be controlled by a variety of electrical impulse generating equipment such as a card reader, keypad or timer. This lock is suitable for use with sliding door operators.

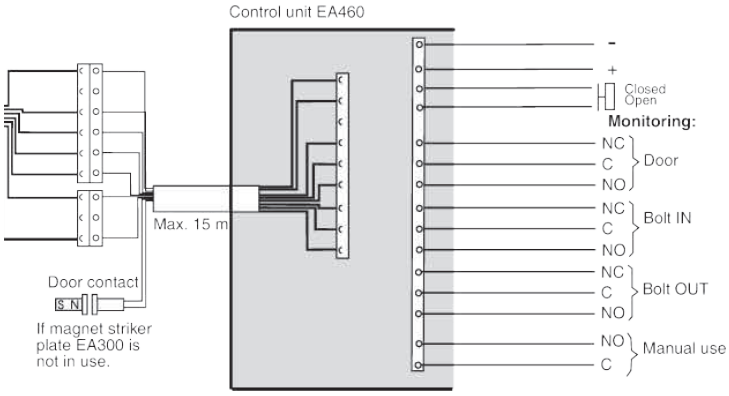
Key Features

- High security motor bolt.
- Lock case is connected with a separate control unit.
- 12-24Vdc operating voltage
- Configuration of deadbolt either 14mm or 20mm
- Increased protection against manipulation
- Striker plate includes door position magnet.
- Fully monitored, bolt in/bolt out, door position manual operation
- Can configure lock in fail safe and fail secure (Backup card required to set the lock case to go to desired position in case of power failure)

Note: Lock requires EA460 Control unit to operate.

ABLOY EL648 Motor Lock





EL648 Motor Lock Technical Information

Voltage	24Vdc ± 15% stabilised
Current	Idle 70mA, Normal 150mA and Max 750mA
Monitoring	Door position, Bolt Position Mechanical trigger
Environment	Operational temperature range -25°C to +70°C
Case/ Cover	High purity Zinc alloy construction
Backset	25mm or 35mm
Latchbolts	Bolt throw: 22mm Hook bolt
Cylinder	Scandinavian oval type, Finnish type
Cabling	Recommended cable: 18AWG (0.82mm2) cable runs up to 30m
Furniture	ABLOY Architectural Hardware
Standard Finishes	Chrome plated steel forend, yellow chrome, lacquered lock body.

Specification Statement

The mortice lock must consist of high grade pure zinc alloy. The bolt must be controlled by means of motor and the shape of the bolt must be in hook shape for added security. A separate controller needs to be connected to the lock to enable trigger and monitoring functions. The voltage must be variable between 12-24Vdc with tolerance of 15% up or down. The following parts need to be fully monitored; bolt position, door position by means of dry contacts. The lock must be suitable for internal and external use.

Ordering Information

Product Description	Part Number
ABLOY EL 648 Electric mortice Solenoid Lock	EL648
Cable 6m for EL648	EA214
Strike plate with integrated magnet	EA300
Accessories	
Control Unit	EA460
ABLOY Lead Cover	EA280
ABLOY Lead Cover Long	EA281

Power Transfer Lead

Lockwood 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 steel flexable.
- 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. NB. Not suitable for centrally pivoted doors.

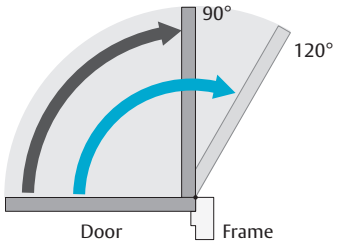
Standards and Compliance

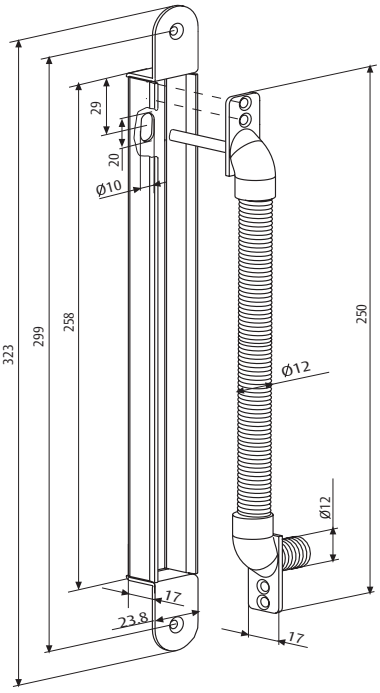
Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire resistant door sets)

Power Transfer Lead

LC8810

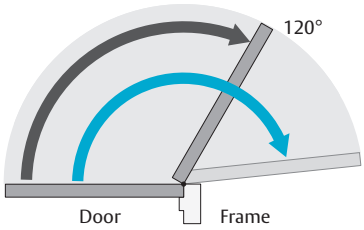
The LC8810 is a shorter unit suitable for hinged doors which open to 90° (maximum of 120°).

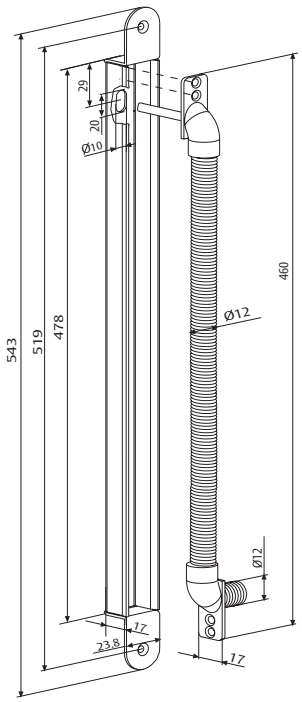




LC8811

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.
NB. 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.

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 on the market.

ASSA ABLOY

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